

Drug Delivery[®]

Technology

November/December 2007 Vol 7 No 10

Partnerships, Technologies & Pipeline Report

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The science & business of specialty pharma, biotechnology, and drug delivery

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Announcing the World's Most Valuable Controlled Release Alliance

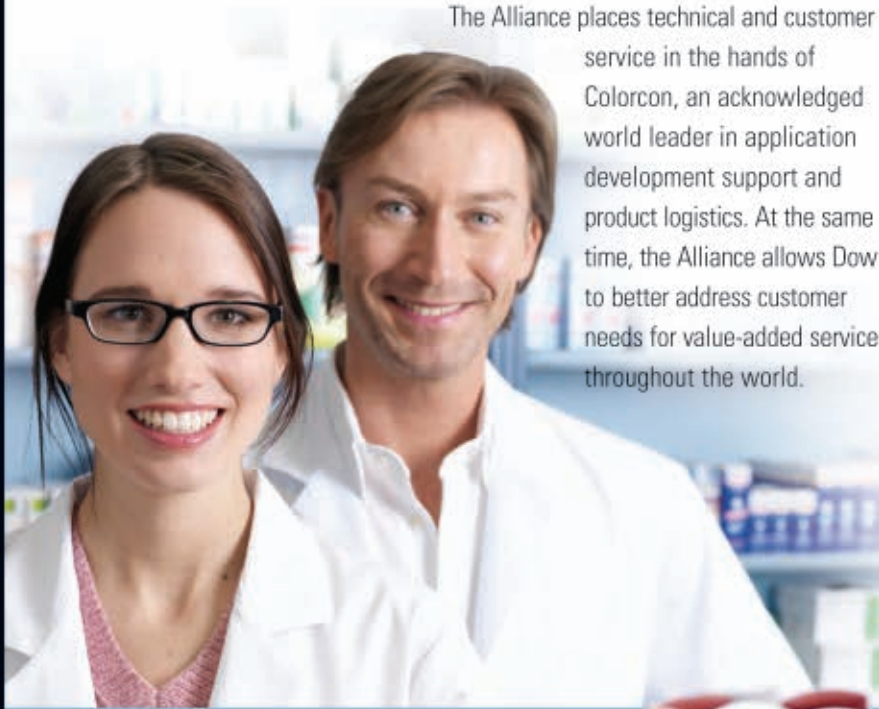
The Dow Chemical Company ("Dow") and Colorcon, Inc. have formed a global Controlled Release Alliance that provides more resources than ever to accelerate your pharmaceutical product development efforts and reach markets throughout the world. The Alliance includes the exclusive distribution rights for Dow Controlled Release Pharmaceutical Excipients, including ETHOCEL™ Ethylcellulose polymers, METHOCEL™ High Viscosity Hypromellose polymers, and POLYOX™ Poly(ethylene oxide) resins.

The Alliance places technical and customer service in the hands of Colorcon, an acknowledged world leader in application development support and product logistics. At the same time, the Alliance allows Dow to better address customer needs for value-added service throughout the world.

Rely on Colorcon for Worldwide Application Development and Local Technical Support

Colorcon's core business is the design and technical support of advanced pharmaceutical dosage forms for immediate, controlled and enteric release applications. In partnership with Dow, Colorcon will offer an enhanced portfolio of controlled release application expertise to find ideal solutions to customer needs and speed their products to market.

No matter where you manufacture in the world, you can rely on Colorcon for applications support and local product supply. Colorcon maintains locations throughout North America, Europe, South and Central America and Asia. These include 17 local technical laboratories, dedicated controlled release expertise in all regions and 14 strategically located distribution centers.



Dow's Role: Increasing Pipeline Capacity for New Excipient Technologies

The Alliance frees Dow's growing arsenal of intellectual capital and people resources to do what it does best: develop improved and new technologies to enhance performance during pharmaceutical manufacturing, distribution, and use. Dow will use this new way of doing business to expand the list of enabling technologies it has already developed for Dow excipient polymers, such as:

- Foamed binder granulation technology
- Melt extrusion and melt coating
- Oral delivery films
- Hard-shell capsules



A Brief Look at the Controlled Release Alliance Products and Technologies

ETHOCEL™ Premium Ethylcellulose organosoluble excipients are used in controlled release dosage forms including barrier membrane applications for multiparticulate formulations. Colorcon's **SURELEASE®** products are fully formulated aqueous ETHOCEL™ ethylcellulose dispersions that provide optimum flexibility in choosing a barrier membrane.

METHOCEL™ Premium Hypromellose high viscosity polymers are primarily used in controlled release matrix systems. Colorcon's **HyperStart®** modeling service provides a starting formulation for most actives, saving the pharmaceutical formulator valuable development time.

POLYOX™ Water-Soluble Resins NF are hydrophilic excipients used in controlled release matrix systems, osmotic applications, tablet binding, tablet coatings, transdermal drug delivery systems and mucosal bioadhesives.

Learn More About the Global Alliance Between Colorcon and Dow

Contact us at:



Colorcon, Inc.

World Headquarters: 415 Moyer Boulevard, West Point, Pennsylvania, 19486 USA

Tel: 215-699-7733 Fax: 215-661-2605

Email: modified_release@colorcon.com www.colorcon.com

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PUBLISHER/PRESIDENT

Ralph Vitaro

EXECUTIVE EDITORIAL DIRECTOR

Dan Marino, MSc
dmarino@drugdeliverytech.com

CREATIVE DIRECTOR

Shalamar Q. Eagel

CONTROLLER

Debbie Carrillo

CONTRIBUTING EDITORS

Cindy H. Dubin
Debra Bingham
Jason McKinnie

TECHNICAL OPERATIONS

Mark Newland

EDITORIAL SUPPORT

Nicholas D. Vitaro

ADMINISTRATIVE SUPPORT

Kathleen Kenny

Corporate/Editorial Office

219 Changebridge Road, Montville, NJ 07045
Tel: (973)299-1200
Fax: (973) 299-7937
www.drugdeliverytech.com

Advertising Sales Offices

East & Midwest

Victoria Geis - Account Executive
Cheryl S. Stratos - Account Executive
103 Oronoco Street, Suite 200
Alexandria, VA 22314
Tel: (703) 212-7735
Fax: (703) 548-3733
E-mail: vgeis@drugdeliverytech.com
E-mail: cstratos@drugdeliverytech.com

West Coast

Warren De Graff
Western Regional Manager
818 5th Avenue, Suite 301
San Rafael, CA 94901
Tel: (415) 721-0644
Fax: (415) 721-0665
E-mail: wjdegtraff@drugdeliverytech.com

International

Ralph Vitaro
219 Changebridge Road
Montville, NJ 07045
Tel: (973) 299-1200
Fax: (973) 299-7937
E-mail: rvitaro@drugdeliverytech.com

Mailing List Rental

Candy Brecht
Tel: (703) 706-0383
Fax: (703) 549-6057
E-mail: cbrecht@mgilists.com

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East & Midwest — Victoria Geis • Tel: (703) 212- 7735
vgeis@drugdeliverytech.com

West — Warren DeGraff • Tel: (415) 721-0664
wjdegtraff@drugdeliverytech.com

International - Ralph Vitaro • Tel: (973) 263-5476
rvitaro@drugdeliverytech.com

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Company Profiles

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For each participating company, this section presents a special 2-page spread featuring core technologies, capabilities, products, and services as well as visuals and complete contact information. Featured companies include:

3M Drug Delivery Systems	Dow Chemical	Lipocine Therapeutics
Aveva DDS	DPT Labs	Nektar Therapeutics
Azopharma	DSM Pharmaceuticals	NOF Corporation
BD	Empi	PharmaCircle
Bilcare Global	Eurand	PharmaForm
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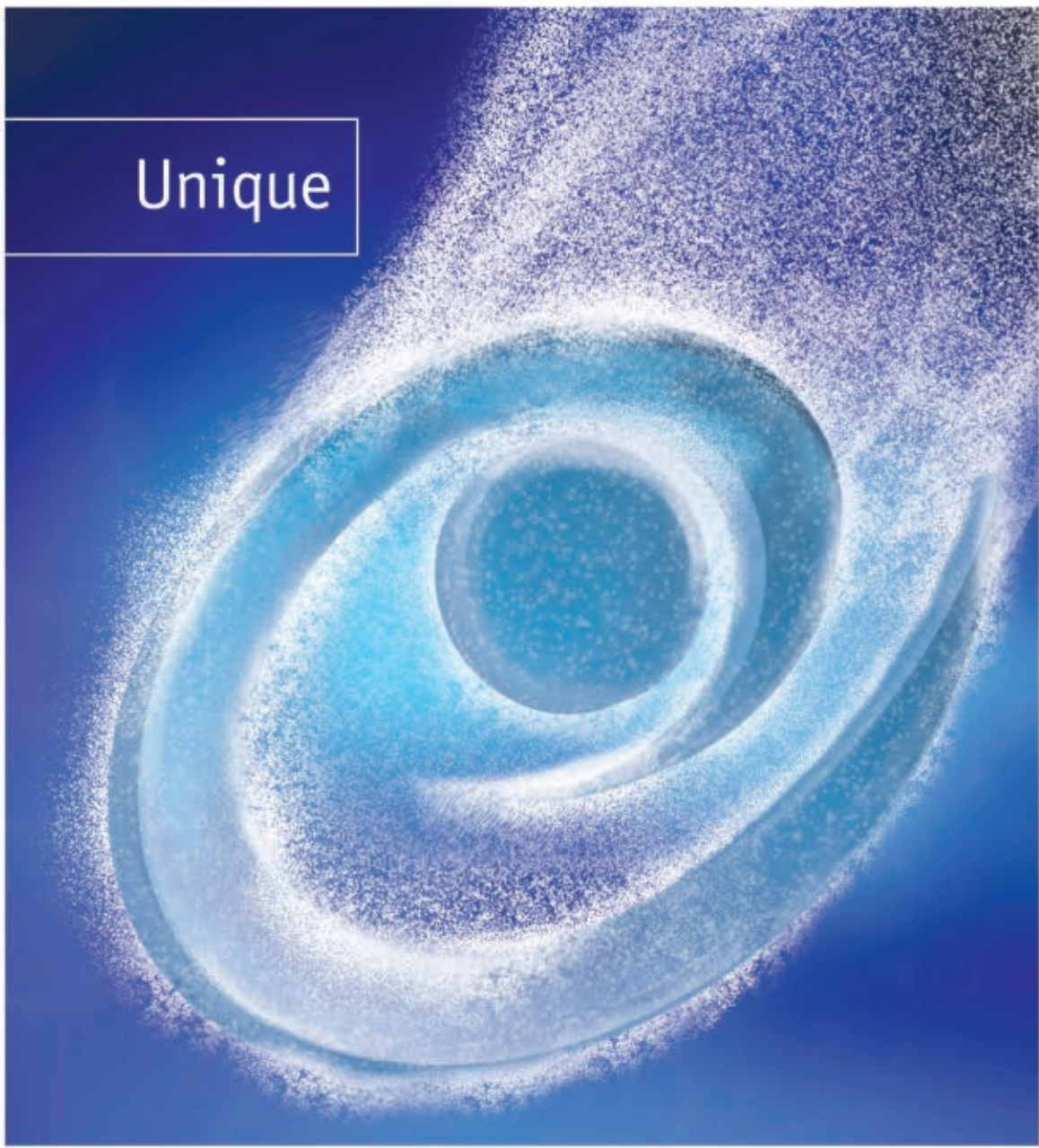
Partnerships, Technologies & Pipeline Report

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This Report, divided into four sections for Drug Delivery, Excipient, Contract Services, and Machinery & Laboratory Equipment & Software, provides a checklist of currently marketed technologies or services and their applications, pipeline/investigational technologies and their applications and stage of development, and partnerships. Technologies include:

Oral	Gene Therapy	Rectal
Inhalation	Mucosal	Vaginal
Transdermal	Capsules	Colon
Parenteral	Intranasal	Liposomes
Implants	Polymers	Lipids
Nasal	Biomaterials	Devices
Topical	Proteins & Peptides	Ocular
Transmucosal	Controlled Release	Excipients

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Technology Showcase 102

To complement the Company Profiles and Special Report, this section examines innovative and emerging technologies, services, and devices, featuring dynamic 4-color visuals and contact information.



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- Our **"Amino Acid"** platform can enhance solubility to allow precision controlled delivery in simple monolithic dosage forms.

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3625 132nd Ave S. E. • Suite 400
Bellevue, WA 98006
425.373.0171
www.scolr.com

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Colorcon



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THE ADVANTAGES

OF MULTI-PHASE, MULTI-COMPARTMENT CAPSULES ARE CLEAR

Deliver Incompatible Compounds

Deliver incompatible compounds in a single dosage form with different release profiles.

Multiple Release Profiles

Incorporate one or more release profiles into a single dosage form such as immediate, enteric, targeted, chronotherapy and pulsatile.

Higher Perceived Value

Consumers view multi-phase, multi-compartment capsules as having a higher perceived value than ordinary tablets, capsules and soft gels.

Choice of HPMC or Gelatin Capsules

With multi-phase, multi-compartment capsules you are not limited to just gelatin (animal-based product) but have the option of natural HPMC (hydroxypropyl methyl-cellulose) and alternative capsule materials.

Better Visual Appeal

Multi-phase, multi-compartment capsules have none of the dust and residue associated with powder capsules. Better visual product appearance translates to higher perceived value.

Increased Absorption and Bioavailability

Liquids naturally offer faster and increased absorption and availability of active ingredients.

Increased Profit Potential

Add up all the advantages. Expect higher sales...and high margins!



Multi-Phase System

Compounds can be delivered with the most advantageous pharmacokinetic profile such as liquids and solids

Faster Development

Multi-phase, multi-compartment capsules reduce the development time compared to bi-layer tablets to get a new product into clinical trials faster.

Smaller Capsules

Hard-shell capsules have thinner wall construction, allowing them to contain more ingredient in a smaller capsule versus thicker-shelled soft gel capsules. Hard shells have faster and more complete dissolution than soft gels.

Less Odor and Less Irritation

Reduces unpleasant ingredient taste and odor commonly found with tablets and traditional capsules. And, liquids provide less irritation than traditional delivery methods.

Tamper Proof Sealing

Band sealing reduces tampering and provides a non-permeable barrier to retard oxidation and increase shelf-life.

Unique Appearance

This new delivery system stands apart from look-alike products that crowd retail shelves.

Compounds

Deliver Pharmaceutical, bio-pharmaceutical and nutraceuticals in a single dosage form.



Patent Pending US-2005-0008690-A1

COMPANY PROFILE

Enabling your success

3M Drug Delivery Systems

3M DRUG DELIVERY SYSTEMS
3M Center, Bldg. 275-3E-10
St. Paul, Minnesota 55144-1000
T: (800) 643-8086 • F: (651) 737-5265
Website: www.3M.com/DDS



3M Drug Delivery Systems is a global leader and innovator for inhalation and transdermal drug delivery. Between drug discovery and commercialization, 3M Drug Delivery Systems offers...

- Innovative and proven technology
- Product development services
- Global regulatory expertise
- Commercial manufacturing
- Broad range of customizable system components

Our technology, expertise and experience can provide pharmaceutical and biotech companies with:

- Differentiated products
- Speed to market
- Increased probability of technical and commercial success

3M's proven track record includes development of the first metered-dose inhaler (MDI), development of the first HFA MDI, and the development of the first stand-alone 7-day transdermal system. Products manufactured by 3M Drug Delivery Systems are currently sold in more than 60 countries on six continents.

We combine the agility of a leading drug delivery company with the resources of a major, multinational corporation. 3M provides expertise in product development, regulatory and manufacturing to enable you to get to market sooner.

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For further information contact: US: 1 800 643 8086 ext 710
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COMPANY PROFILE



AVEVA DRUG DELIVERY SYSTEMS INC.

3250 Commerce Parkway

Miramar, FL 33025

T: (954) 430-3340 F: (954) 430-3390

Website: www.avevadds.com

Contact email: Robert.bloder@avevadds.com



Aveva Drug Delivery Systems, a Nitto Denko company with revenues in excess of \$5.3 billion, is one of the world's largest manufacturers of, and a pioneer in, transdermal drug delivery systems. Nitto Denko has a 20-year history of providing pharmaceutical partners with fully integrated, controlled-release transdermal products that fulfill unmet market needs or are high-quality, low-cost brand equivalents. Leveraging this experience, Aveva offers a full range of research, development, and manufacturing capabilities using a number of sophisticated technologies to produce proprietary and generic transdermal drug delivery systems.

- Aveva offers:**
- Global licenses for Aveva's approved products and development pipeline
 - Transdermal candidate assessments of APIs in as little as 4 weeks
 - Extensive expertise in polymer synthesis and adhesive formulation technologies
 - A full range of research, development, and manufacturing capabilities
 - Creative solutions & sophisticated technologies to overcome formulation challenges

Proprietary Gel Matrix Adhesive Technology

Aveva DDS and Nitto Denko have produced the first and only marketed transdermal patch using a revolutionary Gel Matrix adhesive system for an unequalled balance of adhesion reliability and gentleness. Because the Gel Matrix adhesive minimizes the disruption of the stratum corneum (skin) during removal, these patches can be removed and reapplied with minimal skin irritation, resulting in a desirable patient experience. This technology also contributes to increased patient compliance and enhanced persistency, which are critical for patients with chronic conditions.



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- > Managing a higher drug concentration in a smaller patch

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To license a product or to see how we can add value to your project, call Robert J. Bloder, Vice President Business Development, at **954.624.1374** or visit www.AvevaDDS.com



NITTO DENKO GROUP

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COMPANY PROFILE



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1 Becton Drive

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T: (800) 225-3310

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Website: www.bd.com/pharmaceuticals



BD Medical - Pharmaceutical Systems is dedicated to developing prefillable drug delivery systems designed to fit the needs of the pharmaceutical industry. BD offers a range of products, including glass and plastic prefillable syringes, a nasal spray system and a variety of self-injection devices. We deliver cost-effective alternatives to conventional drug delivery methods, which differentiate pharmaceutical products and contribute to the optimization of drug therapy. All our prefillable devices are designed to meet healthcare professionals' demands for safety and convenience and to fulfill patients' needs for comfort.

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BD Medical
Pharmaceutical Systems
1 Becton Drive
Franklin Lakes, NJ 07417

BDPS_marketing@bd.com

COMPANY PROFILE



Global Clinical Supplies

BILCARE GLOBAL CLINICAL SUPPLIES

300 Kimberton Road
Phoenixville, PA 19460

T: (610) 935-4300

F: (610) 935-4321

E-Mail: Direct-gcs@bilcare.com

Website: www.BilcareGCS.com



Bilcare Global Clinical Supplies

is a Division of Bilcare, Ltd., a 25-year-old company located in Pune, India, traded over the Bombay Stock Exchange with over \$100 million in revenue.

Bilcare Global Clinical Supplies serves the Americas, Europe, and Asia with clinical trial materials support, services, and complete project management. Our services for solid, semi-solid, liquid, DEA (CI-V), and biotech clinical trial materials (CTM) satisfy a broad range of requirements from pre-formulation research and development, analytical services, and clinical supplies packaging and labeling, to IVRS, controlled temperature (cold and frozen chain) CTM storage, distribution worldwide, and returns and destructions accountability.

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Bilcare Global Clinical Supplies has core expertise in:

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- Analytical Research Services
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- Primary & Secondary Packaging
- Labeling
- Global Logistics & Distribution
- Returns & Destructions
- Interactive Voice/Web Response Systems

Associations

- DIA Member
- CSSG Member
- AAPS Member
- MWCSG Member
- ISPE Member

COMPANY PROFILE



BILCARE RESEARCH
300 Kimberton Road
Phoenixville, PA 19460
T: (610) 422-3305
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Website: www.Bilcare.com



Bilcare Research is a pharmaceutical packaging and research firm that combines innovative technology with deep industry expertise. With best-in-class manufacturing and research facilities in India, Singapore, and US headquarters in Phoenixville, PA, Bilcare provides innovative film- and foil-based packaging solutions to the pharmaceutical industry worldwide that can be designed to demonstrate a unique dosage regimen and promote patient adherence.

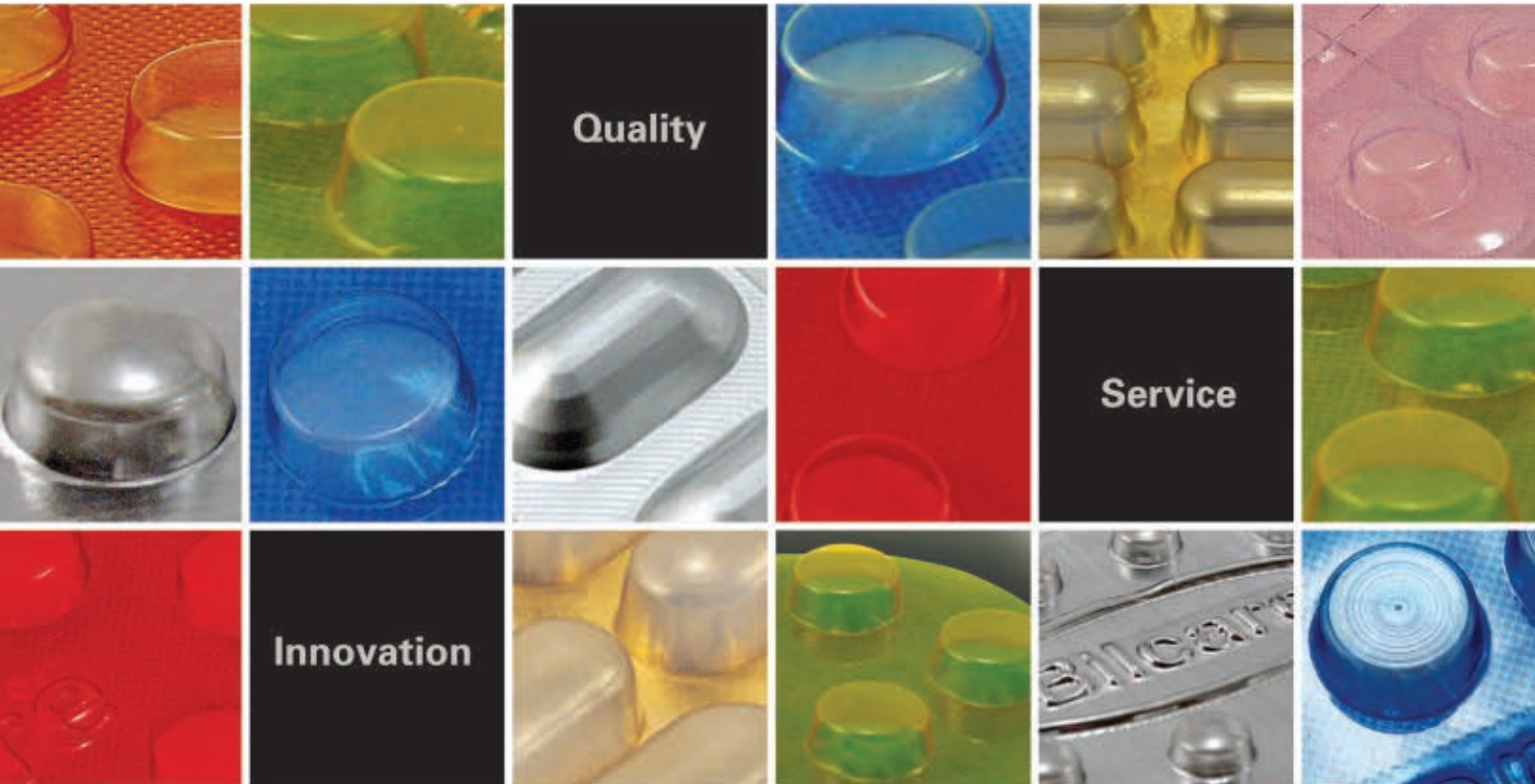
The company's revolutionary BilcareOptima™ research methodologies deliver quantitative stability data and optimum packaging selection, increasing speed-to-market while reducing packaging costs. This unique testing method tests the tablet outside of the packaging to establish the products' sensitivities to environmental factors, allowing researchers to determine the optimal packaging to meet the tablet's required shelf-life.

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Email: sales@catalent.com
Website: www.catalent.com

Catalent Pharma Solutions is the leading provider of advanced technologies as well as development, manufacturing and packaging services for pharmaceutical, biotechnology and consumer healthcare companies. Formerly Cardinal Health Pharmaceutical Technologies and Services (PTS), Catalent applies its local market expertise and technical creativity to advance treatments, change markets and enhance patient outcomes. Catalent's proprietary drug delivery and packaging technologies enable customers to achieve their desired clinical and market outcomes, and are used in many well-known products.

Drug Delivery

We are the world leader in patented drug delivery technologies. For more than 50 years, we have developed and manufactured advanced drug delivery systems and partnered with nearly every major global pharmaceutical company. We continually work to advance the science of drug delivery and enhance the therapeutic and market performance of our customers' drugs.

Our advanced delivery technologies bring new options to resolve the technical challenges that development scientists face every day. These patented technologies can improve the odds of successful formulation by: enhancing bioavailability, optimizing the rate of release, targeting the site of absorption, improving drug loading and masking unacceptable taste. Our technologies include: soft gelatin and Vegicaps® Soft capsules; Zydis® fast dissolve dosage form; EnTec® oral modified release technologies, such as EnCirc® and EnSolv®; and a range of inhaled technologies including pMDIs, DPIs, nasal sprays and solutions/suspensions for inhalation, nebulizers and liquid inhalers.

With experience in more than 100 countries, extensive knowledge of the pharmaceutical, biotechnology and consumer markets, and a global facility network that spans five continents, Catalent is well positioned to serve you, wherever you do business.

Introducing

Catalent™

Catalent Pharma Solutions The catalyst for your success

Discovering new treatments and successfully getting them to market is what drives the pharmaceutical, biotechnology, and consumer healthcare industry.

For years, many of the world's leading companies have turned to Cardinal Health Pharmaceutical Technologies and Services (PTS) for innovative solutions to the toughest challenges.

Now, as an independent company with a new name, Catalent Pharma Solutions continues to offer the same world-class service, reliably and on time.

We know that success, for you and us, requires constant innovation and operational excellence across the entire supply chain. From development to commercialization, Catalent has the technology, expertise, and global infrastructure to propel the development, manufacturing, and packaging of your products to new levels of success. Catalent Pharma Solutions. It's more than business as usual.

For more information, contact us at (866) 720 3148, email us at info@catalent.com, or visit www.catalent.com.

Reliable Solutions. Inspired Results.™

Catalent™

COMPANY PROFILE



A DFB COMPANY

DPT LABORATORIES, LTD.

318 McCullough

San Antonio, TX 78215

T: (210) 476-8159 F: (210) 829-8733

E: confidence@dptlabs.com

Website: www.dptlabs.com

Year Founded: 1990

Number of Employees: 1,500

Key Personnel: Paul Johnson, President; Paul Josephs, Vice President Sales & Commercial Operations; Marc Iacobucci, Vice President Project Management & Marketing

Who We Are

DPT, a DFB Pharmaceuticals, Inc. company, is a contract development and manufacturing organization (CDMO). DPT provides pharmaceutical, biotechnology, and consumer healthcare companies the best solutions to their drug development and manufacturing needs through innovation, technology, and service. Specializing in semi-solid and liquid dosage forms, DPT has a reputation for quality, unmatched technical expertise, virtually unlimited manufacturing capabilities, and an exemplary regulatory compliance record.

Customers choose DPT as a strategic partner because of our ability to provide fully integrated drug development and manufacturing solutions. DPT customers have confidence that their formulations, from concept to commercial manufacturing, will be handled by professionals with unparalleled knowledge and experience, using state-of-the-art equipment and processes.

The ability to develop, manufacture, and commercialize products in semi-solid and liquid dosage forms makes DPT unique. To get your next product to market fast and with confidence, call DPT – *The Industry Source for Semi-solids and LiquidsSM*.

Drug Development Solutions

- Pre-formulation and formulation
- Biopharmaceutical development
- Analytical and bioanalytical method development and validation
- Stability studies under ICH conditions
- Process development and validation
- Pilot and proof-of-concept batches from 0.3 kg
- Clinical trial materials Phase I-IV

Packaging Solutions

- Identification and sourcing of relevant packaging options
- Packaging specification development
- Formulation and package compatibility assessment
- Packaging equipment sourcing, design, and engineering services
- Turnkey sourcing services for unique and specialized packaging

Manufacturing Solutions

- Four cGMP facilities
- cGMP batch sizes from 25 kg to 22,000 kg
- Controlled substances Schedules II-V
- Extensive packaging capabilities for semi-solids and liquids
- Specialized equipment installation, operational qualification, and validation services

Facilities

Headquartered in San Antonio, TX, DPT has four facilities there and two in Lakewood, NJ, with more than 1 million square feet of state-of-the-art development, manufacturing, packaging, and distribution space.

CDMO (*sē-dē-em-ō*) **n.** a partner
that provides both development and
manufacturing services all
under one roof.

< see DPT >

DPT provides contract development and manufacturing services for some of the world's leading pharmaceutical, biotech, and consumer healthcare companies. Through innovation, technology, and service, our capabilities go unmatched.

From pre-formulation to clinical trial materials Phase I – IV. From unique packaging solutions to validation services. With four cGMP facilities, DPT has the commercialization capabilities to get your product to market fast and with confidence.

Remember, CDMO is our MO. Contact DPT today – *The Industry Source for Semi-solids and Liquids.SM*



SOURCE WITH CONFIDENCE®

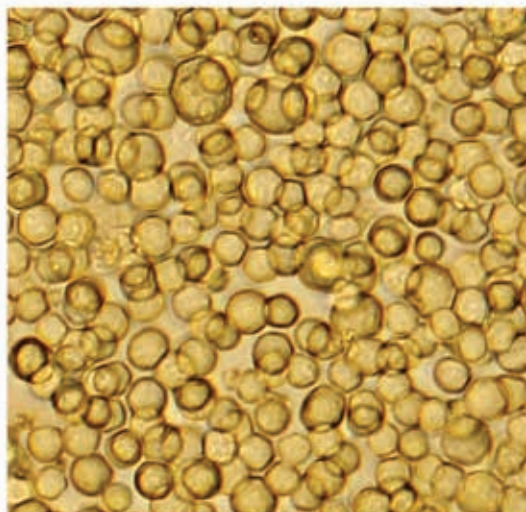
SEMI-SOLIDS • LIQUIDS • NASAL SPRAYS • AEROSOL FORMULATIONS • COMPLEX DELIVERY SYSTEMS
1.866.CALL.DPT • WWW.DPTLABS.COM • SAN ANTONIO, TX • LAKEWOOD, NJ

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DSM Pharmaceutical Products

45 Waterview Blvd.
Parsippany, NJ 07054-1298

Tel : 973-257-8011
Fax: 973-257-8481
info.dsmpharmaceuticals@dsm.com



DSM Pharma Chemicals

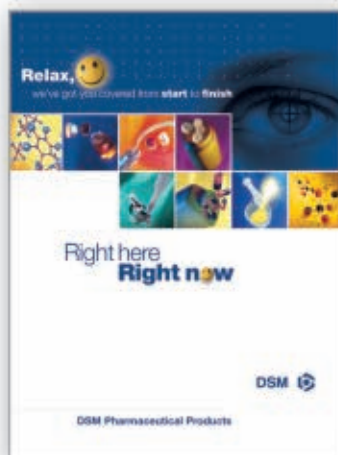
DSM Biologics

DSM Pharmaceuticals, Inc.

Company Description

DSM Pharmaceutical Products is a global provider of high quality custom contract manufacturing and development services to the pharmaceutical and biopharmaceutical industries. DSM Pharmaceutical Products contract manufacturing services include: advanced intermediates, active ingredients (API's), amino acids and derivatives, mammalian cell culture production of monoclonal antibodies and proteins with the PER.C6® Technology Platform, finished dose form manufacturing of solids, semi-solids, scheduled drugs, aseptic liquid and lyophilized products.

From clinical to commercial, DSM focuses the right resources on providing the highest level of service and quality while applying innovative solutions to satisfy customers' unique manufacturing needs. And that's the *real* value of working with DSM because we've got you covered from start to finish.



Relax, we've got you covered from start to finish.

Excellent service is more than just great presentation 😊



[It begins and ends with an account management team that has all the right ingredients]


Global Manufacturing Services

Chemical 

Chiralitree® 

ResCom® 

Fermentation Technologies 

Finished Dosage Form 

No one ever expects heartburn with their order. But sometimes manufacturing suppliers can serve up major irritation. So how can you be sure that the results will satisfy everything you desire? Well, when you choose DSM Pharma Chemicals, you can rest assured that your product's scale-up, technical transfer or commercial manufacture will be prepared to your exact specifications. There are *no* last minute substitutions here. Everything is made (and documented) precisely to order, with great service and a beautiful presentation. We'll even let you take a peek at our kitchen. Just ask your server (or your Account Rep, as the case may be) about setting up a tour.

At DSM, we deliver comprehensive custom manufacturing services from start to finish for the entire spectrum of pharmaceutical companies throughout the industry. And that's the *real* value of working with DSM Pharma Chemicals. ***So start with us and we're confident you'll stay with us.***

DSM Pharma Chemicals

PART OF DSM PHARMACEUTICAL PRODUCTS

DSM 

www.dsmpharmaceuticals.com · telephone 973.257.8011
info.dsmpharmaceuticals@dsm.com

Relax, You're 😊 Right here Right now



COMPANY PROFILE



EMPI

599 Cardigan Road
St. Paul, MN 55126-4099
T: 800-328-2536
www.hybresis.com
www.empi.com



Company Overview

Headquartered in St. Paul, MN, Empi is a leading manufacturer and provider of non-invasive medical products for pain management and physical rehabilitation. Empi is committed to delivering positive patient outcomes and providing innovative products specifically designed to meet the needs of the patient, medical professional, and payor.

EmpiCare is a value-added subsidiary of Empi that provides outsourced, high-quality durable medical equipment and healthcare services designed to meet Clinician's DME program needs and those of their patients. Empi is a wholly-owned subsidiary of ReAble Therapeutics.

Iontophoresis

Iontophoresis is a clinically proven, noninvasive method of active transdermal drug delivery. Iontophoresis is virtually painless; treatments can be performed in only a few minutes; and it directly treats the pain site without the disadvantages of injections or orally administered drugs.

Introducing Hybresis by Empi

Hybresis is a revolutionary drug delivery system that uses the power of iontophoresis technology. It provides clinicians with a wireless system that offers precise dose control, alternative treatment modes, and shortened in-clinic treatment times. With three treatment modes in one patch, Hybresis combines the precise dosing of traditional dose controllers with the convenience of patch-only treatments. The Hybresis mode initiates a session of Skin Conductivity Enhancement that reduces wear times — allowing patients to move on to other physical therapy activities or leave the clinic.

Benefits

- Enhanced treatment delivery and shorter patch wear times
- Flexibility through the proprietary Hybresis (hybrid), Standard, and Patch-only treatment modes
- 3-minute Skin Conductivity Enhancement ensures predictable dosage
- One- to two-hour wear time to complete a 40 to 80 mA-minute treatment
- Bolus and maintenance dosage in one treatment
- Needle-free pain treatment
- Mobility and convenience of a patch

Hybresis™
by Empi



POWER TO DELIVER™

Accelerating Drug Delivery through Hybrid Iontophoresis Technology



experience the power : www.hybresis.com

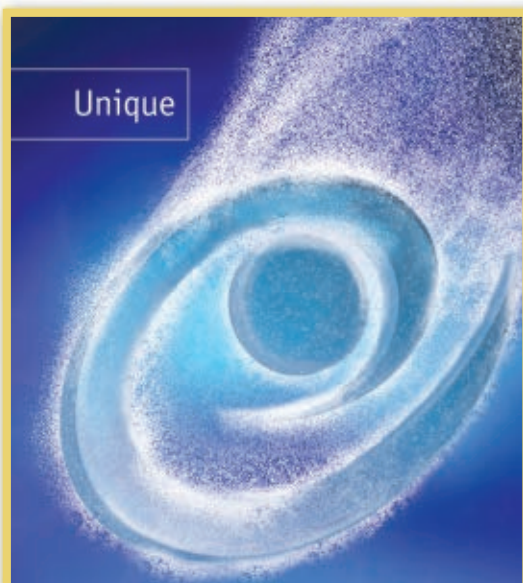
COMPANY PROFILE



Via M. Luther King, 13
20060 - Pessano con Bornago
(Milan) Italy
T: +39-02-95428-309
F: +39-02-95745018/12

845 Center Drive
Vandalia, Ohio 45377
T: (937) 898-9669
F: (937) 898-9529

E: partners@eurand.com
Website: www.eurand.com



Eurand is a specialty pharmaceutical company that develops enhanced pharmaceutical and biopharmaceutical products using our innovative technologies. Eurand is dedicated to the continued development and commercialization of breakthrough technologies and products that better satisfy patients' needs. To this end, the Company develops treatment options with superior safety, enhanced efficacy, and convenient dosing.

For more than 30 years, Eurand has been a world leader in drug delivery. We offer comprehensive technology platforms designed to optimize the delivery of drug substances. Using these technologies, Eurand turns difficult drug candidates into easy-to-administer, successful pharmaceutical products. Additionally, our technologies can be used to enable the creation of innovative and effective products for life-cycle management. Eurand has a well-established technology

portfolio that is one of the broadest in the industry. The Company's drug development efforts are based on three commercialized technology platforms:

- **Bioavailability Enhancement of Poorly Soluble Drugs**
- **Customized Release**
- **Taste-Masking & Orally Disintegrating Formulations**

Our commercialized technology platforms are made up of multiple novel drug delivery technologies that can be used alone or in tandem to provide unique drug delivery solutions. Eurand has a fourth technology platform, drug targeting, that, once commercialized, can be applied to small molecule and biotechnology derived products for improved drug delivery. The breadth of our technology platforms enables us to have more than one solution for any drug delivery problem.

We are experts in using our technologies to solve the most difficult drug delivery challenges and to develop novel pharmaceutical products. To date, more than 40 products, marketed by Eurand customers in over 50 countries, have been developed using our technologies.

Eurand is a global company with more than 500 employees. Its principal operating offices are in Milan, Italy. The Company has research, development, and manufacturing facilities throughout the world, including sites in Milan and Trieste, Italy; Dayton, Ohio (US) and Paris, France. For more information, please call us or visit our website, where you will find detailed technical information on our drug delivery systems.

Unique



Unparalleled taste Flexible dose Versatile release Robust tablet

AdvaTab[®] The next generation ODT

Eurand's AdvaTab is an orally disintegrating tablet (ODT) technology that combines superior taste and mouth feel properties in a robust tablet. AdvaTab is unique, offering both high dose capacity and modified drug release making it the most broadly applicable ODT available. Utilization of standard tableting processes allows for cost-efficient manufacturing and conventional packaging. The next generation ODT is here!



www.eurand.com

USA +01-937-898-9669

EU +39-02-95428-309

ODT

CUSTOMIZED RELEASE

TASTE MASKING

ENHANCED BIOAVAILABILITY

COMPANY PROFILE



EVONIK DEGUSSA CORPORATION

Pharma Polymers
2 Turner Place
Piscataway, NJ 08855
Tel: +1-732-981-5383
Fax: +1-732-981-5484
Email: eudragit.usa@evonik.com
www.pharma-polymers.com
www.evonik.com

EVONIK RÖHM GMBH

Pharma Polymers
Kirschenallee 45
D-64293 Darmstadt, Germany
Tel: +49-6151-18-4019
Fax: +49-6151-18-3520
Email: eudragit.germany@evonik.com
www.pharma-polymers.com
www.evonik.com

EVONIK DEGUSSA INDIA PVT. LTD.

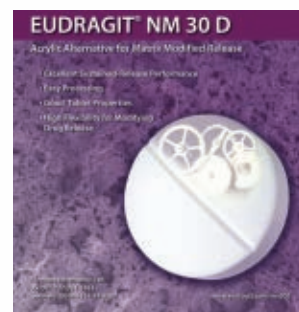
Pharma Polymers
Krislon House, 1st floor,
Sakivihar Road, Sakinaka
Mumbai, India 400072
Tel: +91- 22-6723-8800
Fax: +91- 22-6723-8811
Email: eudragit.india@evonik.com
www.pharma-polymers.com
www.evonik.com

Degussa is now Evonik.

Degussa Pharma Polymers is now part of the Chemicals Business Area of Evonik Industries.

On September 12, 2007, Degussa became the Chemicals Business Area of Evonik Industries, the new creative industrial group based in Germany with business activities all over the world. Pharma Polymers, a business line within the Chemicals Business Area of Evonik Industries, is one of the world leaders in the manufacture and supply of functional coatings for the pharmaceutical industry.

Pharma Polymers is committed to providing solutions to the pharmaceutical and biopharmaceutical industry in drug development, manufacturing, and drug delivery, with products and services that meet requirements during the entire drug development process - from lead discovery via custom intermediates and APIs and excipients for drug formulations to drug delivery technologies. EUDRAGIT® acrylic polymers are the favorite choice for solid oral dosage forms. They have become indispensable in the manufacturing of enteric coatings on solid dosage forms, sustained release formulations, and immediate-release applications. EUDRAGIT® NM 30 D polymer is suited for the formulation of matrix tablets for highly soluble drugs, such as diltiazem. The polymer's positive tablet properties (e.g. weight constancy, mechanical stability) and release profiles allow it to be processed in a fluidized-bed system or a high-shear mixer.



EUDRAGIT® polymers are ideal for Enteric Delivery, Controlled Release, and Protective Coatings. Based on more than 50 years of experience in EUDRAGIT® polymer design and formulation know-how for pharmaceutical applications, Pharma Polymers has developed intellectual property on advanced oral drug delivery technologies. The different brands of EUDRAPULSE®, EUDRACOL®, and EUDRAMODE® are the achievements of this intensive research and development effort so far. Pharma Polymers' business models for commercialization of these drug delivery technologies range from the development of customer-specific solutions to out-licensing strategies.



The recently expanded 1200-sq-meter Pharma Polymer Research Centre in Mumbai, India, is staffed with 30 marketing and technical service personnel geared to support local and global customers, new marketing strategies, and formulation development of solid dosage forms using EUDRAGIT® polymers. Equipped with the requisite machinery necessary to produce development batches of solid oral dosage forms, this high-tech facility offers state-of-the-art coating equipment including Glatt® & Huttli® fluid bed processors. Analytical equipment includes auto dissolution testers and HPLCs with UV and Photodiode array detectors, and stability cabinets to enable data generation of accelerated and long-term stability of the formulations. The Pharma Polymers business line also operates fully equipped labs in Darmstadt, Germany; Piscataway, New Jersey; Shanghai, China; and Tsukuba, Japan.



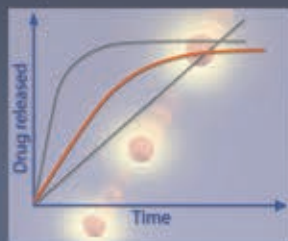
EUDRAGIT® – Power Through Flexibility

Add flexibility and power to your development process with EUDRAGIT®. Our wide range of polymers allows you to design any number of combinations to match your targeted release profile.

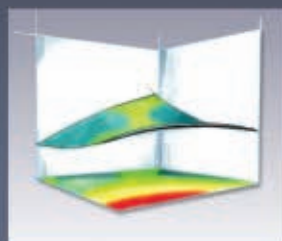
Designing Drug Delivery



Project



Target



Optimization



Product

Pharma Polymers

For innovative product opportunities, contact us at
 Europe: +49-6151-18-4019
 USA: (732) 981-5383
www.pharma-polymers.com

On September 12, 2007, Degussa became the Chemicals Business Area of the new Evonik Industries. Visit www.evonik.com for more information on the new creative industrial group.

Evonik. Power to create.

COMPANY PROFILE



GLATT PHARMACEUTICAL SERVICES

20 Spear Road

Ramsey, New Jersey 07446

T: (201) 825-8700

F: (201) 825-0389

E: pharmaceuticalservices@glattair.com

Website: www.glattpharmaceuticalservices.com

Vital Statistics: Year Founded: 1954

Number of Employees: Glatt Air Techniques, Inc., USA ~ 150 - Glatt Group, Worldwide ~ 1500

Who We Are: Glatt Pharmaceutical Services is the leading provider of solid dosage form product development, drug delivery technology, and contract manufacturing to the pharmaceutical industry. With over thirty years of experience and innovation, this division of Glatt Air Techniques, Inc., in collaboration with its global Glatt Group affiliates, continues to successfully partner with pharmaceutical companies to bring their immediate release and complex controlled release products to market. All of our services are provided with the greatest attention to quality and customer service.

Services Offered:

Product Development - We feature a highly experienced and accomplished group of scientist that participate in a teamwork focused environment in the development of your products. Our R&D team has succeeded in developing products from a broad list of categories including New Chemical Entities, Product Line Extensions, Over-the-Counter, and Generic Drug Products. Our R&D services are supported by a complete line of analytical capabilities in our newly expanded laboratory.

Building on our expertise in fluid bed and solid dosage technology, we deliver a complete R&D program including:

Formulation Development

Process Development (Aqueous and Organic Solvent Processing)

cGMP Clinical Trial Material Production

Process Scale-Up

Technology Transfer for Manufacturing

Drug Delivery Technologies - With a focus on controlled release, Glatt offers new and novel enabling proprietary technologies for both ANDA and NDA products.

CPS Technology™ - Controlled Release Pellet System

- Direct Pelletization

- High Drug Loading (up to ~ 90%)

- Dense, Spherical, and Uniform Pellets

ZRx™ Technology - Zero-Order Release Tablet System

- Extended Release Tablet Matrix System

- Zero or First-Order Release Characteristics

- Once-per-Day Dosing

MicroPx Technology™ - Direct Pelletization

- High Drug Loading (up to ~ 90%)

- Dense, Spherical, and Uniform Pellets

- Continuous Processing

Contract Manufacturing: Our experienced staff provides first-class cGMP manufacturing of both bulk intermediates and final solid dosage form products. We are committed to a schedule of up to 24 hours/7 days a week to meet the market demands placed on the supply of your products.

Our pellet manufacturing capabilities are expanding to further focus on Wurster HS drug layering and functional film coating and direct pelletization using our CPS Technology™.

Facility Expansion- Glatt Pharmaceutical Services announces the inauguration of its new solid dosage facility in Ramsey, NJ. Our expanded capability concentrates on complex controlled-release R&D and manufacturing, including organic solvent coating capacity, our proprietary CPS™ pellet system, fluid bed and high shear granulation, and Glatt's unsurpassed Wurster HS technology.

To learn more about how we're expanding, please contact us to schedule a visit.

Introducing...

New Commercial cGMP Contract Manufacturing Capacity

- Glatt Wurster HS™ Pelletizing & Coating
- Glatt CPS™ Pelletizing
- Glatt Fluid Bed Granulation & Drying
- Glatt High Shear Granulation
- Organic Solvent Processing
- DEA Controlled Substance Capability

Glatt Pharmaceutical Services specializes in the development and cGMP manufacture of difficult-to-craft modified and immediate release solid dosage products and is the global leader in fluid bed related product formulation, processing technology and full scale commercial manufacturing.

To learn more, contact us to schedule a visit with our accomplished staff at our newly expanded facility.



Ramsey, New Jersey
www.glattpharmaceuticals.com
201.825.8700

Experience the **Glatt** Expansion!

COMPANY PROFILE



HOVIONE

HOVIONE

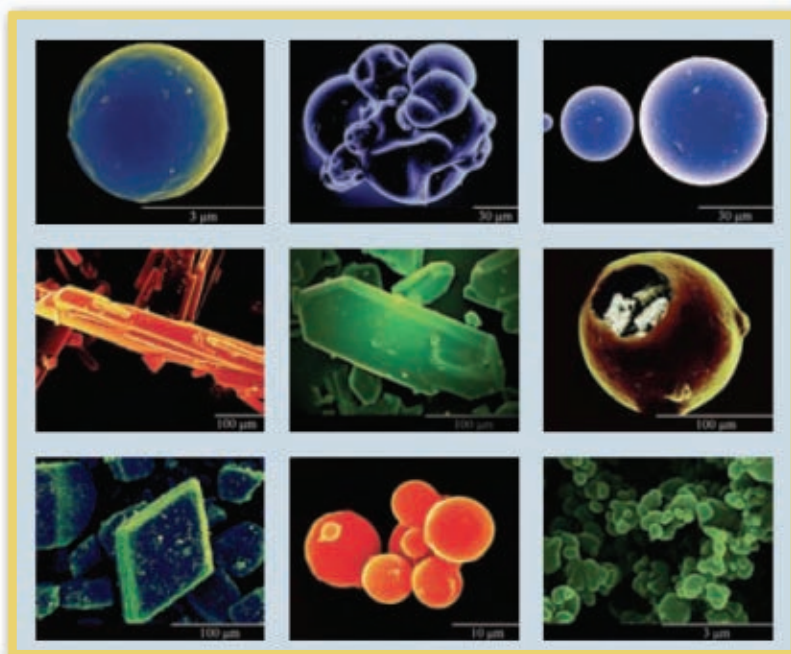
40 Lake Drive

East Windsor, NJ 08520

T: (609) 918-2600 F: (609) 918-2615

E: hello@hovione.com

Website: www.hovione.com



API Development and Manufacturing for the Pharmaceutical Industry

Hovione is a world-class company dedicated to the cGMP development and manufacture of APIs both as a CMO and API supplier. Hovione is committed to superior customer service, quality, and regulatory support, having plants in Europe and Asia and a Technology Transfer Center in the US (New Jersey), all FDA inspected. Our capabilities include process chemistry, analytical development, worldwide regulatory affairs, particle design, and kilo to multi-ton manufacture of APIs under FDA and ICH cGMP standards. We offer APIs for all drug

delivery systems, from oral to injectable and from inhalation to topical applications. With a 50-year track-record in API development, our ability to provide customers with timely and reliable solutions that are dependable and economical has given us a worldwide reputation for quality products, superior customer service, and regulatory compliance.

Particle Design Technologies for Enhanced API Performance

Building on our accumulated expertise in all major areas of API development and manufacture, Hovione's Particle Design expertise combines a range of proven technologies. Spray-drying, spray-congealing, freeze-drying, wet-milling, micronization, and cryomilling capabilities allow us to offer a wide range of solutions to modify the API particle characteristics. From lab to industrial scale, our installations are designed to support both API synthesis and inhalation drug product formulations. No manufacturing partner is better equipped to meet the challenges of bringing new APIs to market quickly, while ensuring "right first time" delivery. Our aim is to do well what is difficult and to provide our customers with what they cannot find elsewhere.

For further information please visit www.hovione.com



Depositing very fine particles in Laura's lungs requires advanced inhalation technology. Trust Hovione to deliver it.

With 14 years' experience in inhaler and inhaled formulation development, Hovione is able to capitalize on a unique combination of expertises ranging from API particles optimized for lung delivery all the way to inhaled drug product development. To find out more visit us at www.hovione.com or call us on Worldwide +351 21 982 9451, or North America +1 609 918 246

Active anticipation, assured results.



Exclusives

Inhalation

Particle Design

Generics

COMPANY PROFILE



INNERCAP TECHNOLOGIES, INC.
9745 International Court North
St. Petersburg, FL 33716
T: (813) 837-0796 F: (813) 837-0207
E: info@innercap.com
Website: www.innercap.com



INNERCAP Technologies, Inc. offers NOVACAPS™, a multi-phase, multi-compartment single pill solution for difficult combination drugs. The proprietary NOVACAPS™ delivery system accommodates otherwise incompatible pharmaceutical agents, solid or liquid, in a single-dosage, combination product. The delivery system also provides the option of working with multiple release profiles for the actives administered in the delivery system. Surging worldwide interest in such combination formats is evidenced by the FDA's initiative to advance the development of single-dosage forms for delivery of multiple HIV/AIDS drugs.

With the INNERCAP delivery system, therapeutic entities that have never been combined previously can now be administered together, via an oral, implanted, or a suppository capsule, in the most advantageous pharmacokinetic profile, utilizing different physical phases. This approach maximizes bioavailability and, at the same time, addresses patient compliance issues that often plague multi-drug regimens.

The NOVACAPS™ delivery system can be used for all therapeutic classes, such as immunologic, cardiovascular, neurologic, psychiatric, oncologic, and pain management.

The INNERCAP delivery system also provides a solution to overcome the difficult development issues related to bi-layer tablets. This will provide companies with a quicker and efficient solution to transition innovations smoothly from development, through the clinical phase, and into commercialization — ultimately reaping the financial fruits of their labor.

NOVACAPS™ offers a significant first-to-market advantage by minimizing valuable time in R&D when the product could be in clinical trials determining the patient response to a new combination product.

Companies interested in a novel solution for life-cycle management issues, patent protection, increased compliance, combination drugs, reduced counterfeiting, increased stability, multiple release profiles, increased bioavailability, barriers to entry, higher perceived value, and branding opportunities with difficult formulation issues can contact INNERCAP Technologies.

THE ADVANTAGES

OF MULTI-PHASE, MULTI-COMPARTMENT CAPSULES ARE CLEAR

Deliver Incompatible Compounds

Deliver incompatible compounds in a single dosage form with different release profiles.

Multiple Release Profiles

Incorporate one or more release profiles into a single dosage form such as immediate, enteric, targeted, chronotherapy and pulsatile.

Higher Perceived Value

Consumers view multi-phase, multi-compartment capsules as having a higher perceived value than ordinary tablets, capsules and soft gels.

Choice of HPMC or Gelatin Capsules

With multi-phase, multi-compartment capsules you are not limited to just gelatin (animal-based product) but have the option of natural HPMC (hydroxypropyl methyl-cellulose) and alternative capsule materials.

Better Visual Appeal

Multi-phase, multi-compartment capsules have none of the dust and residue associated with powder capsules. Better visual product appearance translates to higher perceived value.

Increased Absorption and Bioavailability

Liquids naturally offer faster and increased absorption and availability of active ingredients.

Increased Profit Potential

Add up all the advantages. Expect higher sales...and high margins!



Multi-Phase System

Compounds can be delivered with the most advantageous pharmacokinetic profile such as liquids and solids

Faster Development

Multi-phase, multi-compartment capsules reduce the development time compared to bi-layer tablets to get a new product into clinical trials faster.

Smaller Capsules

Hard-shell capsules have thinner wall construction, allowing them to contain more ingredient in a smaller capsule versus thicker-shelled soft gel capsules.

Hard shells have faster and more complete dissolution than soft gels.

Less Odor and Less Irritation

Reduces unpleasant ingredient taste and odor commonly found with tablets and traditional capsules. And, liquids provide less irritation than traditional delivery methods.

Tamper Proof Sealing

Band sealing reduces tampering and provides a non-permeable barrier to retard oxidation and increase shelf-life.

Unique Appearance

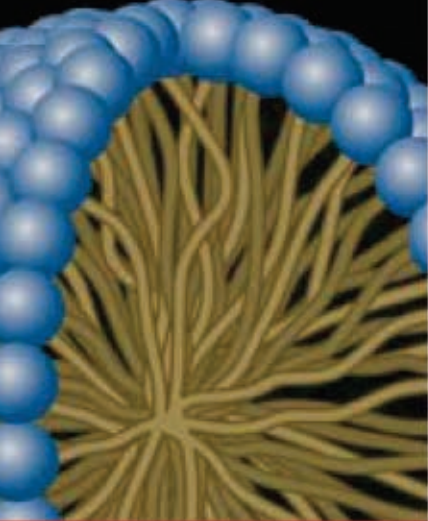
This new delivery system stands apart from look-alike products that crowd retail shelves.

Compounds

Deliver Pharmaceutical, bio-pharmaceutical and nutraceuticals in a single dosage form.



Patent Pending US-2005-0008690-A1



Lip'ral™-SSR

FOR SUPERIOR CONTROLLED ORAL THERAPEUTICS

*Superior
bioperformance*

*Faster onset
coupled with
controlled release*

*More consistent
therapeutics*

*Improved patient
compliance*

*Refractory to
food effects*

*Robust to
pH changes*

Conventional controlled release technologies, traditionally designed for water soluble drugs, have inherent inefficiencies in the delivery of intrinsically poorly water soluble drugs due to inadequate solubilization/release, pH sensitive solubility, and/or absorption "window" limitations. These result in sub-optimal bioperformance due to compromised bioavailability.

Lip'ral Synchronized Solubilizer Release (SSR) is an extension of the Lip'ral technology platform to superimpose controlled release aspects while preserving the solubilizing power and absorption improvement aspects of the Lip'ral technology. Lip'ral-SSR synchronizes the release of the poorly water soluble drug and lipidic solubilizers to achieve controlled release of both agents and is ideally suited for drugs that require solubilization and controlled release. The release profiles can be modulated for delayed, pulsatile or sustained release without compromising therapeutic bioavailability.

Lip'ral-SSR comprise a wide range of proprietary compositions of bioacceptable lipid excipients for the optimal delivery of poorly water soluble drugs. Lip'ral-SSR technologies use conventional manufacturing processes that are easy to scale-up and commercialize, thus reducing time to market. Lip'ral-SSR enables development of superior controlled release products with higher solubilization and improved bioavailability leading to reduced dose, improved compliance, targeted absorption and chronotherapeutic release.

Lip'ral™-SSR vs. Conventional Controlled Release

Technical Attributes	Product Attributes	Lip'ral-SSR	Conventional Controlled Release
Synchronized Release of Drug and Solubilizer	Superior Bioperformance	Yes	No
Controlled Drug Solubilization	More Consistent Therapeutics	Yes	No
High Drug Loading	Smaller Dosage Form	Yes	?
Reduced Dosage Frequency	Improved Patient Compliance	Yes	?
Target to Absorption Window	Better Safety, Lower Dose	Yes	?

Lipral-SSR is well suited for drugs with poor or pH sensitive water solubility. Consider Lipocine's LipidScreen® services for your target compound.

For more information, contact:
Jerry Simmons at gts@lipocine.com or (801) 994-7372 ext 2110.



If water solubility is your challenge...

Whether you are trying to enhance your drug discovery effort or commercialize your new drug or a line extension of your existing drug, Lipocine can help overcome absorption challenges associated with too little or too much water solubility.

Products based on Lipocine technologies are: easy to manufacture, comprised of bioacceptable materials, amenable to diverse patient dosing needs, and offer added exclusivity.

Lipocine currently has a portfolio of superior differentiated products for branding opportunities available for partnering.

...Let's Talk



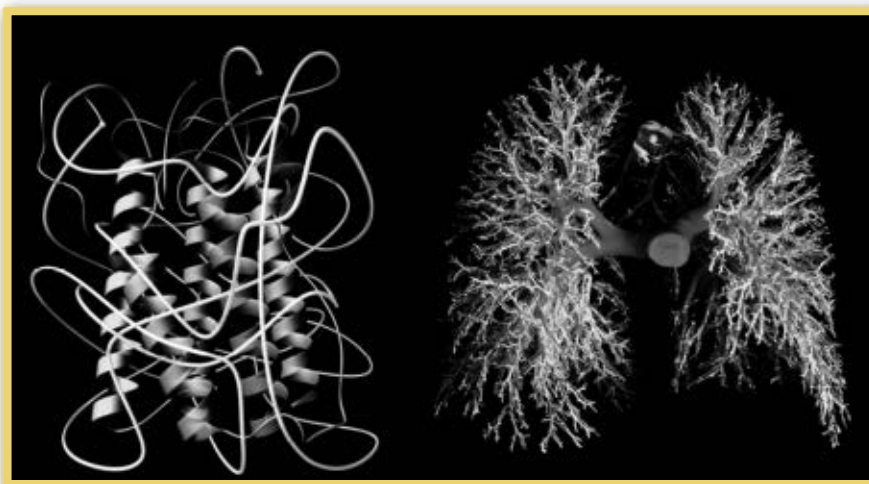
The Innovative Therapeutics Company

675 Arapeen Drive, Suite 202, Salt Lake City, Utah 84108 • (801) 994-7383 • www.lipocine.com

COMPANY PROFILE



NEKTAR THERAPEUTICS
201 Industrial Road
San Carlos, CA 94070
Phone: (650) 631-3100 Fax: (650) 631-3150
email: NektarSC@nektar.com
www.nektar.com



Who We Are

We are a biopharmaceutical company with a different approach to medicine. We develop drugs that are easier to take, safer to use, longer lasting, and more effective. We look closely at existing therapies, and leverage our knowledge and extensive development expertise to evaluate how they can more effectively impact patients' lives.

Just over 15 years ago, our company was founded on breakthrough ideas that changed the way people thought about disease treatment and introduced new and exciting ways to increase the therapeutic value of medicines. Today, we are developing our own high-value, proprietary products as well as highly differentiated products in partnership with leading pharmaceutical and biotechnology companies.

Our product ideas come from a multi-disciplinary team of inventive thinkers and problem-solvers. We are fortunate to have world-leading scientists on our research and development staff and a company culture that nurtures innovation.

Our development programs focus on products that fill unmet needs in diabetes, infectious disease, oncology, and eventually other areas, where they can have significant impact. We collaborate with partners who recognize the value we bring to product development. By sharing our assets and intellectual resources, we increase the therapeutic value of proven drugs and create new products that redefine what medicines are capable of doing. As our product portfolio and pipeline continue to grow, so does our capacity for innovation. We continue to expand our worldwide capabilities, explore new opportunities, and bring fresh perspectives to medicine.

We are Nektar.

Leading the Way

We celebrate the approval of the first noninjectable insulin treatment approved in the US and the European Union.

Pioneered by Nektar Therapeutics, the breakthrough technology behind Inhaled Insulin is just one example of the vital role we play in realizing the full potential of medicine.

Join us in leading the way. Find out how at www.nektar.com

COMPANY PROFILE

NOF CORPORATION

NOF CORPORATION, DDS DEVELOPMENT DIVISION

20-3, 4-chome

Ebisu, Shibuya20-3, 4-Chome Ebisu, Shibuya-ku

Tokyo, Japan 150-6019

Phone: +81-3-5424-6741 Fax: +81-3-5424-6769

email: ddsinfo@nof.co.jp

www.nof.co.jp/dds



Promoting Innovative Drug Delivery Systems

As an integrated chemical manufacturer featuring all kinds of human activity from Biosphere to Outer Space, NOF CORP. is focused on the development on innovative drug modifiers, carriers and solubilizers, such as PEG, phospholipids, highly purified oleic acid nonionic surfactants, cholesterol pullulan, MPC polymers, and chitosan. As a worldwide leader for DDS, NOF provides excellent quality products for the pharmaceutical industry.

1. PEGYLATION TECHNOLOGY

We produce not only excellent purity of methoxypolyethylene glycols ranging from 200 to 30,000 molecular weight, but also activated PEG derivatives, such as methoxy-PEG amines, maleimides, and carboxylic acid. By arranging the terminal group of PEG, various kinds of customers' drugs can be modified. In addition, the half-life of drugs in the bloodstream can be lengthened when our PEG modified phospholipids are injected as a liposomal formulation.

2. PHOSPHOLIPIDS & EMPTY LIPOSOMES

We have successfully supplied our GMP-grade of phospholipids for worldwide drug products since the 90s and have a good reputation amongst our customers. We not only develop new types of phospholipids, but also formulate and develop lyophilized liposomes, called EMPTY LIPOSOME (EL-series), with which customers can easily encapsulate their drugs. Special cationic type EL-01-D is recently commercialized for gene delivery in which better transfection efficiency can be obtained.

3. Ultra-Pure Polysorbate 80 & PEG 200, 300 & 400

NOFABLE ESO-9920 (Polysorbate 80) of NOF CORPORATION, which consists of ultra-purified Oleic Acid (99% up) and an extremely low impurity profile, provides the following great features of Polysorbate 80:

- Low Degranulation (Low Allergic Reaction)
- Low Cell Toxicity
- Low Hemolysis
- Multi-Compendial-ND, EP, JP

Ultrapurified PEGs and PEG 200, 300, and 400 are only available at NOF CORPORATION, and feature extremely low impurities (EG and DEG) and low POV. NOF's PEG 200, 300, and 400 meet with multi-compendial of NF, EP, and JP.

4. Novel Solubilizing Kit for PUREBRIGHT SL Series

PUREBRIGHT SL Series is a Novel Solubilizing Kit for any Hydrophobic Drugs (Protein, Peptide, and small molecular etc.)

1. PUREBRIGHT SL-100 series MPC polymer base formulation

2. PUREBRIGHT SL-200 series PEG Phospholipids base formulation

3. PUREBRIGHT SL-300 series Cholesterol PEG base formulation

4. PUREBRIGHT SL-400 series Phospholipids mixture base formulation

World-wide leader in DDS

NOF CORPORATION provides outstanding quality, innovative drug modifiers, carriers and emulsifiers. NOF has an excellent reputation producing these products in their cGMP facilities.

Activated PEGs

- Outstanding Quality PEGs and Activated PEGs
- Narrow Polydispersity & Low Diol content
- cGMP production
- New Branched PEGs and Multi-arm PEGs

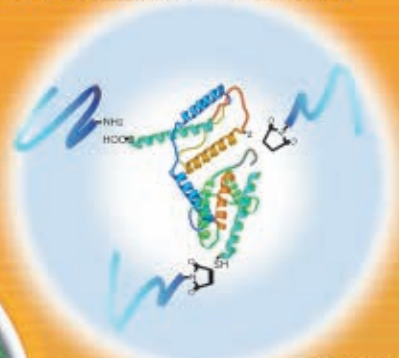
NOF Activated PEG



New GMP Plant & DDS R&D

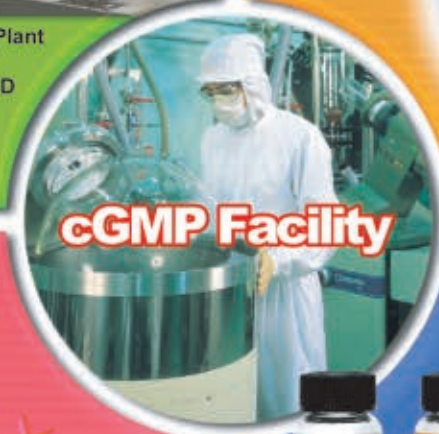
PEGylation

- Wide Range Selection of Activated PEGs
- Advanced PEGylation Technology
- PEGylation of protein, peptide, nucleic acid, etc.
- Prolonged blood circulation of the Drug



PEG-DRUG

cGMP Facility

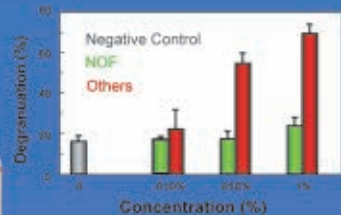


Empty-Liposome Kit



- Outstanding Quality & GMP production
- Numerous Drug Master Files
- Ready-to-use freeze-dried liposome kit
- PEGylated & Targeting Liposome Technology

Phospholipids and Liposome



NOF Others

- Outstanding Quality
- Multi-Compendial NF, EP, and JP
- Low Impurities and Peroxide
- Low Toxicity & Hemolysis
- Low Degranulation (Low Allergic Reaction)

Ultra-pure Polysorbate 80

NOF CORPORATION

DDS Development Department

Yebisu Garden Place Tower
20-3, Ebisu 4-Chome
Shibuya-ku, Tokyo 150-6019 JAPAN

NOF America Corporation

11 Martine Avenue, Suite 1170, White Plains, NY 10606, USA
TEL: +1-914-681-9790 FAX: +1-914-681-9791
E-mail: info@nofamerica.com

NOF Europe (Belgium) NV

Bouwvelven 1, Industriezone Klein-Gent, B-2280 Grobbendonk, Belgium
TEL: +32-14-230001 FAX: +32-14-224563
E-mail: takuya.saigo@nofeurope.com

<http://www.nof.co.jp/dds/> E-mail: ddsinfo@nof.co.jp
Tel: +81-3-5424-6741 Fax: +81-3-5424-6769

COMPANY PROFILE



PHARMACIRCLE LLC

1700 Bluestem Ln

Glenview, IL 60026

T: (847) 729-2960

E-mail: tkararli@pharmacircle.com

www.PharmaCircle.com

PharmaCircle is the one-stop service for pharmaceutical information!

- **Drug Delivery (DD)** companies, technologies, pipeline/products, news in 180+ DD categories, patents, technology assessment, compare & contrast tables, and more.
- **Products/Pipeline** (research to marketed phase) from companies world-wide categorized by indications as well as Drug Delivery (DD) technology categories. The following is also provided for each product:
 - News and summaries of clinical results.
 - Formulation, (excipients, color, shape), DD technology used, dose, and administration-related details.
 - Phase, partnerships, and territories; approval, market, and patent exclusivity info; therapeutic equivalents, labels, and packaging information from FDA/EMEA.
- **Molecule-Specific Information;** structure, molecule type, mechanism, MW, water solubility, BCS class, pK_a, logP, charge, chirality, bitterness, t_{1/2}, V_d, Cl, bioavailability, and first-pass and pGP effect (with literature references). Thousands of molecules can be searched with the touch of a button by any of the above molecule attributes to identify potential product candidates.
- **FDA Product Information Module & Search Engine** that puts market/Orange Book patent exclusivity, approval dates/history, therapeutic equivalents, labels, packaging, route, and dosage form type information at your fingertips. This module can be subscribed to separately.
- **Deals** for technologies, products, and company acquisitions with financial details (deal value, equity, royalty, milestones, etc) when available.
- **Extensive Search Forms** for every detail of technologies, companies, and pipeline as well as products, deals, and news. The search results are also output in Excel & Word documents.

Customer Testimonials

“The PharmaCircle website has a wealth of knowledge that I can use to plan and execute my business strategies. I use the site on a regular basis, and the staff is extremely efficient with special requests that may arise.”

“The PharmaCircle database is the most comprehensive I’ve seen, especially for drugs in development. The website is easy to navigate and saves our company considerable time.”

“PharmaCircle provides a very complete and current perspective on pharmaceutical companies, products, and technology providers. It is being used broadly in my organization by colleagues in scientific, clinical, and business function areas.”

“PharmaCircle is a highly valuable resource for our group. The time and cost savings due to the readily available volumes of pharmaceutical data at our fingertips far exceeds the subscription fees. It is like having extra staff members on call 24/7 to provide us pre-sorted and triaged data for business-critical analyses, and is an integral part of our business process.”

“PharmaCircle is the first place I look for industry and competitive information. They are continually updating their data and incorporating suggestions from direct users. I appreciate this level of customer service and will continue supporting their efforts.”



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service for
product development
& licensing decisions

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The Only Knowledge Management Service integrating complete drug delivery information into the broader analysis of the Pharma/Biotech Pipeline, Products and Deals

- Complete, comprehensive and up-to-date drug delivery information and analysis for better product decisions
- Detailed scientific and business related information on Pharma/Biotech, Drug Delivery, Specialty Pharma companies, including technologies, pipeline & products acquisitions & deals to facilitate licensing and competitive intelligence efforts
- Interactive and powerful search engine with user customized filters displays strategic information & analysis just the way you want to see them
- Web based service also provides phone & e-mail support

For more Information please visit, www.PharmaCircle.com or contact tkararli@pharmacircle.com at (847) 729 2960

COMPANY PROFILE

PHARMAFORM L.L.C.

11400 Burnet Road, Suite 4010
Austin, TX 78758

T: (512) 834-0449 F: (512) 834-2105

www.pharmaform.com

Contact: Dr. Michael Crowley, (512) 834-0449, ext. 202



PharmaForm[™] L.L.C.

Excellence & Innovation in the Pharmaceutical Sciences



PharmaForm L.L.C. has an international reputation for delivering novel solutions to challenging problems in pharmaceutical product development, manufacturing, and analytical services. Each member of the PharmaForm team shares a common mission: delivering unmatched excellence and innovation to clients by offering internationally recognized expertise in drug product development; completing each project in a timely and cost-effective manner; and maintaining a customer-focused operational infrastructure. PharmaForm has provided contract services with client groups varying from small virtual companies with no manufacturing facilities to large pharmaceutical organizations.

All products are made under the supervision of the highest quality systems in accordance with FDA regulations. The

PharmaForm manufacturing facility is registered with the DEA and is licensed to work with controlled substances.

PharmaForm's success is driven by its core values – Reliability, Dedication, and Quality.

PharmaForm services include:

- Formulation & Product Development
- Analytical Services
- Method Development
- GMP/GLP Manufacturing
- Validation Services
- Quality Control Testing & Stability Storage
- Reverse Engineering
- Patent Litigation Support
- Product & Platform Licensing Opportunities

PharmaForm's state-of-the-art facility is approximately 40,000 sq ft and registered with the US FDA and the Drug Enforcement Administration (DEA). All company employees practice and maintain quality systems to maintain compliance with Good Manufacturing Practices (GMPs). PharmaForm is both FDA and DEA inspected. Onsite contractual services include Analytical Development & Testing, Drug Product Prototyping & Development, Contract Clinical & Commercial Manufacturing, and Quality Assurance / Regulatory Affairs Services.

The company's 9,000-sq-ft warehouse is temperature controlled and continuously monitored. Manufacturing personnel are highly trained and operate in multi-purpose suites designed to support preparation of pharmaceutical dosage forms for clinical and commercial products. The production areas are continuously blanketed with single-pass, HEPA-filtered air.

From early development through late-phase clinical trials, PharmaForm offers the entire range of integrated product development services you need, including formulation development laboratory space for client-specific projects.

PharmaForm has the capabilities to expand small-scale processes for clinical trial batches into full-scale commercial production. You may look to PharmaForm as a single source for clinical or commercial-scale manufacturing, packaging, labeling, and distribution. The technical expertise available at PharmaForm can assist with process development, manufacturing scale-up, and process validation activities for commercial launch.

Licensing opportunities for PharmaForm patented transdermal and transmucosal delivery systems are available. PharmaForm's proprietary delivery platform is a versatile polymeric delivery system that can be applied to many drug candidates and product applications. The PharmaForm GMP facility can accommodate prototyping to clinical "proof-of-principle" trials and commercial scale. PharmaForm also evaluates in-licensing opportunities from partners who require a collaborative relationship in order to transition from concept to drug product to market candidates.

PharmaForm doesn't just provide its customers with solutions; it creates successful partnerships.



WE DON'T JUST PROVIDE SOLUTIONS, WE CREATE SUCCESSFUL PARTNERSHIPS.

PharmaForm has an international reputation for developing novel solutions to challenging problems in pharmaceutical product development, manufacturing, and analytical testing. We specialize in working side-by-side with our clients, to deliver customized solutions to product development challenges. **Our Expertise. Your Advantage.**

GMP/GLP Compliant
FDA Registered/Inspected
DEA Licensed/Inspected

Our Services:

- Formulation and Product Development
- Analytical Services
- GMP/GLP Manufacturing
- Method Development
- Validation Services
- Quality Control Testing and Stability Storage
- Reverse Engineering
- Patent Litigation Support
- Product and Platform Licensing Opportunities



North America:

Michael M. Crowley, Ph.D., (512) 834-0449 ext. 202

International:

Josef Bossart, Ph.D., (512) 834-0449 ext. 278



Remmele Engineering is an innovative, strategic thought partner for leading suppliers in the drug delivery industry. From implantable devices to transdermal patches to pulmonary dosage forms, we are the ideal partner to help bring your drug delivery system to market.



We design and build custom manufacturing equipment for installation worldwide, operating under an ISO 9000:2001 certified quality system. We offer:

- superior collaboration
- comprehensive project management
- best-of-class engineering
- award-winning innovation

We have experience throughout all phases of the product development process, including:

- pilot lines
- proofs-of-principle
- clinical manufacturing
- commercial manufacturing
- validation testing

Our goal is to make our clients more profitable and competitive. Whether you're developing a new drug delivery system or increasing production on a proven winner to meet market demand, our world-class facility can help you streamline critical manufacturing while reducing risk in even the most complex applications.

We employ leading-edge technologies for:

- web processing and coating
- discrete assembly
- packaging and filling

We understand critical needs like:

- clean-room environments
- lights-out manufacturing
- curing
- liquid-filling
- validation

We are a single source for many solutions. We have a passion for technology and a vision of innovation. Our culture, systems, and processes have made us an industry leader in on-time delivery and client satisfaction.

We are Remmele Engineering.

Your custom equipment partner for drug delivery solutions.



The future starts here.

We **nurture** emerging technologies
and **innovate** practical solutions
to help our clients **succeed** and grow.
We're the custom equipment **partner**
for all your most challenging projects.



REMMELE ENGINEERING

www.remmeleautomation.com

product development

pilot and production lines

engineering services

COMPANY PROFILE



SCOLR Pharma, Inc.

SCOLR PHARMA, INC.

3625 132nd Avenue SE 400

Bellevue, Washington 98006

T: (425) 373-0171 • F: (425) 373-0181

E: productdevelopment@scolr.com & info@scolr.com

Website: www.scolr.com



SCOLRTM Pharma is a specialty pharmaceutical company that applies its formulation expertise and proprietary and patented drug delivery technologies to develop distinctive and novel prescription and OTC pharmaceutical and nutritional products. The Company's technology is applicable across a broad range of drug types and classes and offers significant advantages over current, alternative drug delivery platforms. SCOLR's CDT platform enables cost-effective delivery of ingredients from a tablet or capsule with the goal of reducing frequency of drug administration, improving effectiveness of treatment, ensuring greater compliance, and reducing side effects or increasing drug safety. The Company benefits from a significant differentiated intellectual property position in drug delivery consisting of four recent and broadly applicable patents. SCOLR has expanded its intellectual property to include a full platform of related delivery technologies capable of handling challenging classes of drugs and nutritional ingredients. SCOLR uses its proprietary CDT[®] platform to develop extended-release solid oral pharmaceutical medications and nutritional supplements. The Company markets its dietary supplement products through private label retailers in the U.S. and partners with industry leaders for the marketing and business development of its pharmaceutical and OTC products and services internationally. SCOLR's

first technology was licensed from Temple University in 1998 and since then has expanded to include three patented drug delivery technologies applicable to a wide variety of common and challenging classes of drugs and nutritional ingredients.

CDT Platform Summary

Dual-Polymer Platform (US Patent No. 6,337,091 issued January 8, 2002)

The first patent within the technology was developed specifically for the controlled release of highly soluble actives, and involves the granulation of an active pharmaceutical ingredient (API) with one or more polymers or gums of differing swelling characteristics. The differential hydration rates of each polymer may be combined to suppress the diffusion of the imbedded drug for up to 24 hours. This method of controlled release results from the reversible complexation of the API and the polyionic matrix, initiated during *in-situ* hydration. APIs with poor flow properties may be combined with better flowing controlling polymers and excipients during the granulation step to yield a more manufacturable tablet. APIs with poor compression characteristics or those formulations that require a large drug load to be therapeutically effective may also be combined with more compressible materials and high-viscosity polymers to allow for the manufacture of a lower-volume dosage form than is possible with other matrix technologies, such as Penwest's TIMERx[®] system¹.

Electrolyte Platform (US Patent No. 6,090,411 issued July 18, 2000)

The second patent employs the colloidal chemistry phenomenon of "salting-out" to moderate the swelling and erosion kinetics of a non-ionic polymer matrix containing the API and one or more electrolytes. The presence of these electrolytic compounds in the form of ionizable salts allows for non-collapsible diffusion channels to form; channelization agents used in the past were not ionizable; therefore, the diffusion channels were unpredictable, leading to poor release profiles and lack of control. The electrolytes also contribute to a contracting micro-environment within the tablet, whose pH is mediated by the pKa of the electrolyte, thus either enhancing or suppressing the solubility of the API. As the matrix hydrates, the electrolytes and polymer compete for water of hydration with the API, resulting in a programmable rate of release. The result is a system capable of zero-order, pH-independent release of an API for up to 24 hours without regard to the solubility of the API. Because the system consists of a non-covalently bonded matrix, the manufacturing process is a fundamentally 2-step process of simple dry-blending and direct compression. This 2-step process allows for the manufacture of a monolithic tablet with cost advantages comparable to a simple wax-matrix, yet provides release profiles comparable to an osmotic pump or multi-layer tablet.

Amino Acid Platform (US Patent Nos. 6,517,868 issued February 11, 2003; 6,936,275 issued August 30, 2005; and 7,229,642 issued June 12, 2007)

The third, fourth, and fifth most recent patents have applied theories of colloidal chemistry in the formulation of a matrix composed of an API granulated with one or more ionic resins or polysaccharide gums and one or more amino acids, within a second dry-blended matrix similar composition. The ionic interaction between the granulated and dry-blended constituents allows for the controlled release of an API over 24 hours, independent of its solubility. Polysaccharide gums have demonstrated the ability to formulate for high drug load, prolonged delivery, resulting in a reduction in dosing frequency and minimization of additional compression-aiding excipients required for successful, high-throughput tableting. The ionic resins and charged amino acids allow for a contracting micro-environment similar to that observed in the Electrolyte platform.

SPEED
PRODUCT DEVELOPMENT
WITH SCOLR

We Help You Master the Course



With Our Self Correcting Oral Systems

Our suite of patented self-correcting oral delivery systems can handle your most challenging drug or nutritional ingredient. CDT®'s simple but elegant technology provides partners with rapid product development and the highest possible success in clinical trials.

- Our **"Dual Polymer"** platform allows production of novel Matrix tablets and capsules regardless of their initial flow properties.
- Our **"Electrolyte"** platform is capable of custom tailored release profiles, including zero order, that can emulate complex delivery systems. (i.e. osmotic pumps, bead systems, layered tablets)
- Our **"Amino Acid"** platform can enhance solubility to allow precision controlled delivery in simple monolithic dosage forms.

SCOLR is a trademark of SCOLR Pharma, Inc. • CDT, CDT Logo & Design are registered trademarks of SCOLR Pharma, Inc.

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SCOLR Pharma, Inc.
Self Correcting Oral Delivery Systems

3625 132nd Ave S. E. • Suite 400
Bellevue, WA 98006
425.373.0171
www.scolr.com

COMPANY PROFILE



XCELIENCE

5415 West Laurel Street
Tampa, FL 33607

Corporate Phone: (813) 286-0404 Business Development Phone: (608) 643-4444

F: (813) 286-1105 E: Info@xcelience.com

Website: www.xcelience.com

Contact: Randall Guthrie, Vice President

Xcelience, a Tampa-based pharmaceutical CRO, is the premier source for unsurpassed quality in drug development. We consistently and efficiently move our sponsors' APIs through the drug formulation process, getting them to clinic and market faster. Xcelience combines the industry's top-performing formulation development scientists with state-of-the-art equipment. Led by dedicated project management, our scientific teams work as an extension of your organization throughout the drug development process.

XCELIENCE'S CORE SERVICES

Preformulation: Xcelience's range of preformulation studies allows us to optimize your dosage form at the earliest stage of drug development. Our scientists have experience in preformulation to support all your product needs.

Formulation: The scientific team creates options for formulation to meet your dosage range and preferred route of delivery. We are able to formulate the following dosage forms:

- Solids:
 - Tablet formulation
 - Hard gelatin capsule formulation
 - Granules
 - Powders
- Liquids:
 - Oral and topical liquids
 - Suspensions
 - Emulsions
- Semi-solids:
 - Creams
 - Ointments
 - Gels

Analytical: State-of-the art facilities and instrumentation provide an optimal environment for stability studies, including a full range of temperature and relative humidity conditions.

Manufacturing: Our scientists are the industry's most respected in the field of formulation development. Contact us for:

- Manufacturing batches for stability testing
- Scaling up and production of pilot batches
- Manufacturing of clinical trials supplies from Phase I through to Phase III, including individual capsule filling of API, tableting, encapsulation, placebo matching, over-encapsulation, or coating of comparators
- Process validation and technology transfer

Xcelience holds superior expertise and technology in direct API-to-capsule filling. Utilizing the Xcelodose® 600 system for precision micro filling of API into capsules, Xcelience creates manufacturing batches for clinical trials in an easier, more precise, and cost-efficient manner, with no need for filling excipients and full traceability of the API's weight. The CFS 1200™ system allows for rapid development and manufacturing of multiple strengths of simple liquid-filled capsule products by filling and sealing up to 1,200 capsules per hour with liquid or semi-solid formulations without banding. Xcelodose® and CFS1200™ are registered trademarks of Capsugel BVBA.

Xpert Consulting: Xcelience has launched a product-development consulting service to help its client base in planning, executing, and evaluating the development of drug products. The Xpert Consulting service uses specialized expertise within Xcelience's scientific staff and is spearheaded by Dr. Steve Bannister, Scientific Director and Principal Consultant. His scientific training and experience includes pharmaceuticals, analytical chemistry, bioanalysis, and pharmacokinetics. He has managed components of product development at the laboratory level and directed integrated discovery and development functions at the executive level.

Facility Overview: Xcelience's 24,000-sq-ft Tampa laboratories are fully cGMP compliant and registered with the FDA and DEA. Xcelience is doubling its capacity in 2008 with the acquisition of another 24,000-sq-ft building.

Send us your challenge today!

Xcelience: Xcelling the Science of Formulation Development®

Xcelling the Science of
Formulation Development®



Send Us Your Biggest Challenge

Through understanding and owning your project's magnitude, Xcelience boldly applies capabilities, expertise and superior science where other CROs fear to tread.

In analytical, preformulation, formulation & contract manufacturing, everything shy of the impossible, we can do – impeccably.



Send us your challenge today.
608 643 4444 challenge@xcelience.com

Special Report

A blue-tinted photograph of pharmaceutical supplies. In the foreground, a white blister pack contains several white, round tablets. A blue syringe with a needle is positioned diagonally across the tablets. To the left, another blister pack contains yellow, round tablets. In the background, several glass vials are visible, some containing clear liquids. The overall scene is set against a dark blue background.

Partnerships, Technologies & Pipeline Report

FEATURING:

- Drug Technologies
- Excipients, Polymers, Liposomes & Lipids
- Contract Pharmaceutical & Biological Development Services
- Machinery & Laboratory Equipment & Software

DRUG DELIVERY Technologies

DRUG DELIVERY TECHNOLOGIES

3M Drug Delivery Systems



Bldg 275-3E-10
St. Paul, MN 55110
Phone: (800) 643-8086 Fax: 651-737-5265
www.3m.com/ddsadv

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Inhalation Drug Delivery Systems and Components	Systemic/Pulmonary	Schering-Plough Corporation, Forest Pharmaceuticals, Inc., Boehringer Ingelheim Pharmaceuticals, Inc., Novartis Pharmaceuticals Corporation, GlaxoSmithKline, Sepracor, IVAX
Transdermal Drug Delivery Systems and Components	Transdermal	Schering AG, Berlex Laboratories, Inc.
Microstructured Transdermal Systems	Proteins & Peptides, Vaccines	
Pipeline Technologies/Platforms:	Application(s):	Development stage:
Novel Excipients	Transdermal, Pulmonary/Nasal	

Contact: Brian Gabrio, bjgabrio@mmm.com

DRUG DELIVERY TECHNOLOGIES

ACTIVAERO AMERICA, INC.
5653 Morlich Square
Dublin, Ohio 43017-9684
Phone: (614) 761-3555 Fax: (614) 761-3505
email: info@activaero.com
www.activaero.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
AKITA™ Individualized Smart Cards are programmed based on patient's pulmonary function to control the patient's inhalation for the precise and efficient pulmonary delivery of aerosolized therapeutics. AKITA inhalation systems are available with PARI LC jet nebulizers and vibrating membrane nebulizers.	Pulmonary delivery of drugs, Clinical trial settings	AKITA is available for clinical trials Exclusive partnership with Talecris Biotherapeutics for the delivery of alpha 1AT
Watchhaler™ A revolutionary innovative children spacer to be used with metered dose inhalers (MDIs)	Pediatric Asthma	Distributors in EU, Marketing cooperations with pharmaceutical companies
Limix™ First flow limitation valve that really controls the flow rate	Delivery & measuring devices with the need of inspiration/expiration flow control	

Contact: William C. Zimlich, CEO

DRUG DELIVERY TECHNOLOGIES

ADHESIVES RESEARCH
400 Seaks Run Road
Glen Rock, PA 17327
P: (800) 445-6240 F: (717) 235-8320
www.adhesivesresearch.com - email: sknorr@arglobal.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Acrylic, polyisobutylene, silicone and hybrid pressure-sensitive adhesives	Active and passive transdermal delivery	Confidential
Electrically and ionically conductive coatings and adhesives	Active transdermal delivery	Confidential
Ultra-clean & non-reactive adhesives	Active and passive transdermal delivery	Confidential
Pipeline Technologies/Platforms:	Application(s):	Development Stage:
Porous adhesives	Active and passive transdermal delivery	Early
Molecularly imprinted polymers	Active and passive transdermal delivery, diagnostics	Early
Hydrogels and organogels	Active transdermal delivery	Early to mid
Dissolvable/erodible films and pressure-sensitive adhesives	Oral, topical, and buccal delivery	Mid
Ethanol- and enhancer-tolerant coatings and adhesives	Active and passive transdermal delivery	Mid to late

Contact: Scott Knorr, (717) 227-3381, sknorr@arglobal.com

DRUG DELIVERY TECHNOLOGIES

AEROVECTRX CORPORATION
Suite 1500 3003 Summit Blvd. N.E.
Atlanta, GA 30319
Phone: (404) 460-5450 Fax: (404) 460-5001
e-mail: info@aerovectrx.com
Website: www.aerovectrx.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Aerocurrent	Self-administered aerosol drug delivery	Under development
Aerolife	Mass-immunization for aerosolized vaccines for infectious diseases in developing countries	CONFIDENTIAL
Aerolife	Aerosol drug delivery	Under development
Aerocell	Disposable mesh/drug cartridge for use with Aerocurrent and Aerolife	Under development

Contact: Matthew Kim, CEO

DRUG DELIVERY TECHNOLOGIES

ALKERMES, INC.
88 Sidney Street
Cambridge, MA 02139
Phone: (617) 494-0171 Fax: (617) 494-9263
e-mail: busdev@alkermes.com
www.alkermes.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Medisorb® Technology	Proprietary, injectable extended-release technology to encapsulate small molecules, peptides, and proteins in microspheres made of biodegradable polymers. With extended-release profiles lasting from days to months, these microspheres eliminate the need for frequent dosing and may be used for SQ or IM delivery.	Confidential
AIR® Technology	Pulmonary technology offers unique, proprietary system for optimized delivery. System can provide efficient dry-powder delivery of small molecule, peptide, protein, and other macromolecule drug particles to the deep lung.	Confidential

Contact: Ken Andrews, Chief Commercial Officer

DRUG DELIVERY TECHNOLOGIES

ALTEA THERAPEUTICS CORPORATION
387 Technology Circle NW, Suite 100
Atlanta, GA 30313
Phone: (404) 835-6310 Fax: (404) 835-6450
e-mail: businessdevelopment@alteatherapeutics.com
www.alteatherapeutics.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
PassPort™ Transdermal System – Enables continuous delivery through the skin of water-soluble molecules, including drug salts, proteins, carbohydrates, and nucleic acids – compounds typically administered by painful needle injections. In addition to enabling transdermal delivery of drugs that normally cannot enter the body through the skin, the PassPort Patch can deliver ten-fold more drug than conventional transdermal systems and provide high efficiencies of delivery.	– Insulin transdermal patch in clinical development that provides continuous delivery of basal levels of insulin for people with diabetes – Fentanyl citrate transdermal patch in clinical development that enables rapid and safe management of moderate-to-severe pain. – Low-molecular-weight heparin patch for thromboses – Parathyroid hormone analog transdermal patch for osteoporosis – Atypical antipsychotic transdermal patch for the management of psychoses	Not disclosed

Contact: Steven P. Damon, VP, Business Development

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AMERICAN PEPTIDE COMPANY, INC.
777 East Evelyn Avenue
Sunnyvale, CA 94086
Phone: (800) 926-8272 or (408) 733-7604 Fax: (408) 733-7603
www.americanpeptide.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Catalog Peptide, Custom Peptides, CGMP Peptides, Oligo-Nucleotides, Dye Products, Process Development</i>	Research in Cell Biology, Microbiology, Immunology, and Drug Discovery. Clinical trial and new drug applications	Biotechnology and Pharmaceutical companies; as well as Diagnostic and Antibody companies

Contact: Gary Hu, VP Sales & Marketing - sales@americanpeptide.com

DRUG DELIVERY TECHNOLOGIES

ANTARES PHARMA, INC.
707 Eagleview Boulevard, Suite 414
Exton, PA 19341
Phone: (610) 458-6200
Fax: (610) 458-0756
www.antarespharma.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Medi-Jector VISION® needle-free injectors</i>	Insulin, growth hormone	Ferring, JCR, SciGen
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Antares Pharma Vibex™ mini-needle injectors - single-dose, disposable Needle-free injection technology ATD™ Advanced Transdermal Gel Easy Tec™ Oral Dissolving Tablet</i>	Large and small molecule delivery	Clinical trials
	Diabetes, obesity Transdermal delivery Oral delivery	Lilly Clinical trials Pre-clinical

Contact: Mike Kasprick: mkasprick@antarespharma.com, Jim Hattersley: jhattersley@antarespharma.com

DRUG DELIVERY TECHNOLOGIES

ARADIGM CORPORATION
3929 Point Eden Way
Hayward, CA 94545
Phone: (510) 265-9000 Fax: (510) 265-0277
www.aradigm.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>AERx Pulmonary Delivery Technology</i>	Insulin Asthma Anthrax Cystic Fibrosis Pulmonary Hypertension	Novo Nordisk APT Pharmaceuticals Canadian Gov't Proprietary United Therapeutics

Contact: Mark Nevins

DRUG DELIVERY TECHNOLOGIES

ARX, LLC, A SUBSIDIARY OF ADHESIVES RESEARCH
400 Seaks Run Road
Glen Rock, PA 17327
P: (800) 445-6240 Fax: (717) 235-8320
email: msloboda@arglobal.com - www.adhesivesresearch.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Dissolvable/Soluble film</i>	Immediate release, oral delivery	Novartis Consumer Health & Others
Pipeline Technologies/Platforms:	Application(s):	Development Stage:
<i>Erodable films and pressure sensitive adhesives</i>	Oral, topical, and implantable applications requiring controlled release	Early to mid
<i>Transdermal delivery</i>	Peptides & proteins, small molecules	Early

Contact: Martha Sloboda, (717) 227-3326, msloboda@arglobal.com

DRUG DELIVERY TECHNOLOGIES



AVEVA DRUG DELIVERY SYSTEMS, INC.
3250 Commerce Parkway
Miramar, Florida 33025
Phone: (954) 430-3340 Fax: 954-430-3390
www.avevadds.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Gel Matrix Adhesive Transdermal Patch</i>	Once-a-day Isosorbide Dinitrate	• Teva • Pfizer
<i>Crystal Reservoir</i>	Chrono-Controlled Release, Sustained Release, Immediate Release	• Perrigo
<i>Volatile Drug System</i>	Smoking Cessation	• Watson
<i>Membrane Controlled Systems</i>	Weight Loss, HRT, Anti-Hypertensive, Antiemetics, Bronchodilators, CNS Stimulants, Antimigraine	• Toa Eryo • Tecnoquimicas
<i>Unique Matrix Technology</i>	Analgesics, Weight Loss HRT, Antiemetics, CNS Stimulants, Antimigraine	• BioDelivery Sciences International
<i>Liquid/ Semisolid Formulations</i>	Analgesics, Hypoglycemics	• SamOh • Spirit Pharmaceuticals
<i>Dissolvable/ Aqueous Films</i>	Analgesics, Antiemetics, CNS Stimulants, Hypoglycemics	
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Mucosal</i>	Breakthrough Pain	Filed
<i>Transdermal</i>	Asthma	Preclinical
<i>Transdermal</i>	Pain Management	Filed
<i>Transdermal</i>	Pain Management	Clinical Phase II

Contact: Bob Bloder/ Brian Guy



DRUG DELIVERY TECHNOLOGIES



BD MEDICAL - PHARMACEUTICAL SYSTEMS
1 Becton Drive, Franklin Lakes, NJ 07417 MC: 407
T: (201) 847-4672 F: (201) 847-4847
e-mail: Jennifer_Zolot@bd.com
www.bd.com/pharmaceuticals

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>BD Hypak SCF™: Glass Prefillable</i>	Parenteral	Many
<i>BD™ Pens: Customized Self-Injection Devices</i>	Parenteral	
<i>BD Accuspray™: Nasal Spray System</i>	Nasal	
<i>BD Uniject™: Prefill Injection Device</i>	Parenteral	
<i>BD Preventis™: Automatic Needle Shielding System</i>	Parenteral	

Contact: Jennifer Zolot, Jennifer_Zolot@bd.com



DRUG DELIVERY TECHNOLOGIES



BESPAK PLC
Blackhill Drive, Featherstone Road, Wolverton Mill South
Milton Keynes, Buckinghamshire MK12 5TS
United Kingdom
Phone: +44(0)1908 552600 - Fax: +44(0)1908 552613
e-mail: bizdev@bespak.com - www.bespak.com

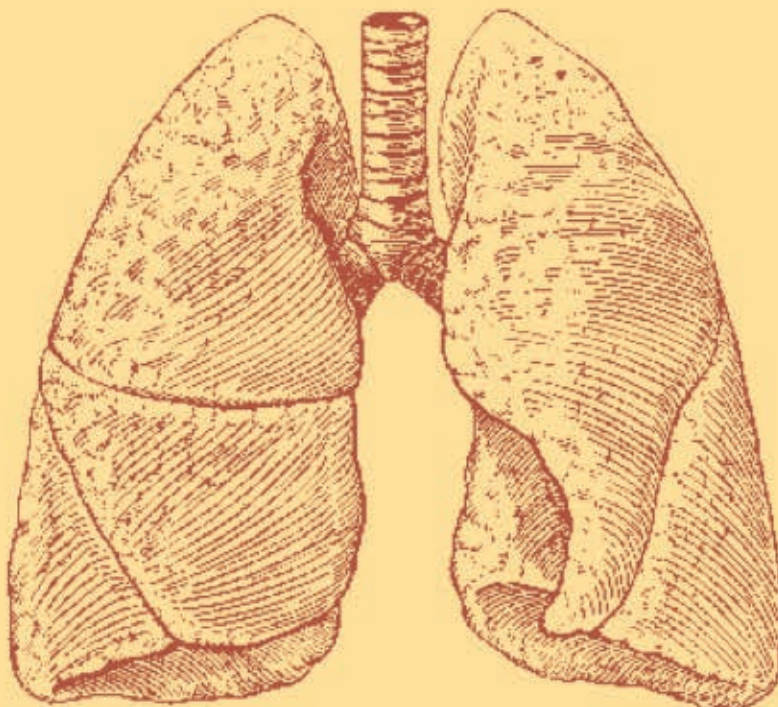
Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>BK357 HFA MDI Valve</i>	MDI: Suspension & Solution HFA Formulations	GSK, Teva, Sepracor, Cipla, Boehringer Ingelheim, Sanofi-Aventis, Chiesi, Valeas, Merck Generics
<i>BK361 Easifill</i>	MDI: Suspension & Solution HFA Formulations	Confidential
<i>Mechanical Dose Counter</i>	MDI Dose Counting	Confidential
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>UniDose DP</i>	Nasal Delivery of Powder Formulations	Preclinical
<i>Nasal Cast</i>	Modelling Drug Deposition in Nasal Cavity	Lab Trials

Contact Person: Joe Keenan, joe.keenan@bespak.com

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2501 Aerial Center Parkway, Suite 205
Morrisville, NC 27560
Phone: (919) 653-5160 Fax: (919) 653-5161
email: bds-info@bdsinternational.com
www.bdsinternational.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Bioral® cochleate technology for oral delivery of products not normally available orally (hydrophobic drugs, nucleotides, vaccines, etc.)</i>	Oral delivery	Sigma-Tau Accentia Biopharmaceuticals
<i>BEMA™ technology for transmucosal membrane administration of drugs</i>	Transmucosal delivery	
Pipeline Technologies/Platforms:	Application(s):	Development Stage:
<i>BEMA™ Fentanyl</i>	Breakthrough Cancer Pain	Phase III
<i>BEMA Long Acting Analgesic</i>	Pain	Phase I
<i>Bioral® Amphotericin B</i>	Oral Antifungal	Preclinical
<i>BEMA™ Zolpidem</i>	Insomnia	Preclinical
<i>Bioral® siRNAs</i>	Oral delivery	Preclinical

Contact: Evan Gothard, egothard@bdsinternational.com

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BIOJECT INC.
20245 SW 95 Avenue
Tualatin, OR 97062
Phone: (800) 683-7221 Fax: 503-692-6698
e-mail: customerservice@bioject.com
www.bioject.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Bio.Jector® 2000</i>	IM & SQ delivery	Trimeris/Roche
<i>Vitajet</i>	SQ delivery	Serono, Meril
<i>Needle-free Vial adapter</i>	reconstitution	Ferring, Amgen
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>IJECT pre-filled Multi-dose injector</i>	Self injection SQ multi-dose	Clinical trials In Development

Contact: Ralph Makar

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BROOKWOOD PHARMACEUTICALS, INC.
756 Tom Martin Drive
Birmingham, AL 35211
Phone: (205) 917-2200 - Fax: (205) 917-2205
www.brookwoodpharma.com



Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Long-acting Parenterals - Microparticles</i>	Microparticle formulations for delivery of small molecules, peptides, proteins, nucleic acids, and biological macromolecules by various routes of administration (systemic and local delivery) and duration of release of days, weeks, and months.	
<i>Nanoparticles</i>	Manufacturing of liposomes, polymeric nanoparticles, and lipid nanoparticles for clinical trials and commercial supply.	
<i>Long-acting Parenterals - Injectable Solid Implants</i>	Injectable rods of resorbable polymer and drug for systemic or local delivery with duration of release of days, weeks, or months.	Undisclosed
<i>VAXCAP™ Vaccine Delivery</i>	-Therapeutic & prophylactic vaccines -Mucosal & systemic responses -Antibody & cell-mediated responses -Auto-boosting with single administration	
<i>Modified Polymer Surfaces</i>	-Covalently linking moieties, such as peptides, proteins, and polysaccharides, to biodegradable polymer matrices, such as microparticle rods, fibers, meshes, and other three dimensional shapes. -Applicable to drug delivery formulations or medical devices	
<i>Long-acting, Injectable Hydrophobic Drug Particles</i>	-Drug delivery through the use of injectable, hydrophobic drug particles -Synthesis and particle size control -cGMP clinical lot manufacturing up to the 75-kg scale	
<i>Drug-Eluting Devices</i>	Design, development and manufacturing of biodegradable drug-eluting devices, e.g., for local drug delivery.	

Contact: Kelly Arlint, (205) 917-2239

DRUG DELIVERY TECHNOLOGIES



CAPSUGEL
535 North Emerald Road
Greenwood, SC 29646
Phone: (888) 783-6361 Fax: (888) 783-6360
email: Glenda.oliver-smith@pfizer.com
www.capsugel.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Capsules</i>	Hard gelatin, HPMC and pullulan	
<i>PCcaps®</i>	Capsules & dosing syringe system ideally suited for oral dosage to rodents in pre-clinical studies	
<i>DBCaps®</i>	Capsules designed for overencapsulation in double blind clinical studies	Undisclosed
<i>Licaps®</i>	Empty capsules designed for liquid-in gelatin and HPMC	

Contact: Glenda Oliver-Smith

DRUG DELIVERY TECHNOLOGIES



CATALENT PHARMA SOLUTIONS
14 Schoolhouse Road
Somerset, New Jersey 08873
Phone: (866) 720-3148 Fax: (732) 537-6480
e-mail: info@catalent.com
www.catalent.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Zydis®</i>	Oral (fast-dissolve tablets)	Many
<i>Capsules</i>	Soft gelatin & hard gelatin	
<i>EnSol®</i>	Oral Modified Release	
<i>EnCirc®</i>	Oral Modified Release	
<i>EnVel®</i>	Oral Modified Release	



Contact: sales@catalent.com, (866)720-3148

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CHR. HANSEN
9015 W. Maple Street
Milwaukee, WI 53214
Phone: (800) 558-0802 Fax: (414) 607-5959
email: Innovations@chr-hansen-us.com
www.chr-hansen.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Chr. Hansen Sugar Spheres NF</i>	Timed release	

DRUG DELIVERY TECHNOLOGIES

CHRYSALIS TECHNOLOGIES (DIVISION OF PMUSA)
7801 Whitepine Road
Richmond, VA 23237
Phone: (804) 864-4325 Fax: (804) 864-4443
busdev@Chrysalis-technologies.com
www.chrysalis-technologies.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Capillary Aerosol Generation</i>	Pulmonary Drug Delivery	Discovery Labs

Contact: Dr. Patrick D. Lilly

DRUG DELIVERY TECHNOLOGIES

CIMA LABS INC.
7325 Aspen Lane
Brooklyn Park, MN 55428
Phone: (763) 488-4717 Fax: (763) 488-4794
www.cimalabs.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Orally Disintegrating Tablets</i>	Disintegrate in the mouth and can be taken without water. CIMA LABS™ offers both compressed (OraSol [®] , DuraSol [®]) and lyophilized (Lyc [™]) tablets with optional sustained release or enteric coating.	Many

<i>Oral Transmucosal Drug Delivery</i>	Dosage forms are absorbed directly through the oral mucosa, avoiding the first-pass effect. OraVescent [®] is an effervescent buccal tablet that can improve the rate and extent of absorption of certain drugs, such as Fentora [®] . OTS [®] is a "lozenge on a stick" that allows the patient to control the rate of drug delivery as seen in Actiq [®] .	
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<i>Solubilization (MicroSol[®])</i>	A delivery technology for insoluble drug candidates. The drug is emulsified and adsorbed onto a powder that can be manufactured as a tablet, capsule, or ODT.	
--	---	--

<i>Oral Powder</i>	Composed of taste-masked drug granules, packaged in a sachet. It can accommodate high doses (> 1 g) of drug product.	
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Contact: Business Development, (763) 488-4717

DRUG DELIVERY TECHNOLOGIES

CIRRUS PHARMACEUTICALS, INC.
511 Davis Drive, Suite 100
Durham, NC 27713
Phone: (919) 321-4047 Fax: (919) 884-2075
email: BizDev@cirruspharm.com
www.cirruspharm.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>DPI Formulation & Development</i>	Inhalation	Not Disclosed
<i>MDI Formulation & Development</i>	Inhalation	
<i>Nasal Spray Formulation & Development</i>	Inhalation	
<i>Nebulizer Solution Formulation & Development</i>	Inhalation	
<i>Oral Drug Formulation & Development</i>	Oral	
<i>Topical Formulation & Development</i>	Topical, Transdermal	
<i>Peptide & Protein Formulation & Development</i>	Inhalation, Oral, Parenteral	
<i>Inhalation Product Testing</i>	Inhalation	
<i>Analytical Methods Development & Validation</i>	Inhalation, Oral, Topical, Transdermal, Parenteral	
<i>Parenteral Formulation & Development</i>	Parenteral	

Contact: BizDev@cirruspharm.com, 919-321-4047

DRUG DELIVERY TECHNOLOGIES



CORIUM INTERNATIONAL, INC.
235 Constitution Drive
Menlo Park, CA 94025
Phone: (650) 298-8255 Fax: (650) 298-8012
e-mail: debfox@coriumtech.com
www.coriumgroup.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Corplex[™] Hydrogel</i>	Transdermal, mucosal, wound care, device, and diagnostic products	Pharma, specialty, generic, wound care, and device companies
<i>MicroCor[™] Micro Delivery System</i>		
<i>Delivery Modifiers/Permeation Enhancers</i>		

Contact: Deb Fox, PhD, V.P. of Business Development, (203) 775-7124, email: debfox@coriumtech.com

DRUG DELIVERY TECHNOLOGIES

CP KELCO
8355 Aero Drive
San Diego, CA 92123
Phone: (858) 292-4900 Fax: (858) 292-4901
email: solutions@cpkelco.com
www.cpkelco.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>KELTROL[®] xanthan gum</i>	Oral drug delivery systems Mucosal drug delivery Transdermal drug delivery Controlled & sustained drug release Colonic drug delivery Edible film delivery systems	
<i>XANTURAL[®] xanthan gum</i>		
<i>KELCOGEL[®] gellan gum</i>		
<i>GELRITE[®] gellan gum</i>		
<i>GENU[®] pectin</i>		
<i>GENU[®] carrageenan</i>		

Contact: Anne Sinha, (858) 467-6615

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10513 West 84th Terrace
Lenexa, KS 66214
Phone: (913) 685-8850 Fax: (913) 685-8856
email: cd_info@cydexinc.com
www.cydexinc.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
CAPTISOL® (β-Cyclodextrin Sulfobutyl Ethers, Sodium Salts) drug delivery technology	Parenteral, Oral, Inhalation, Ophthalmic, Other	Allergan, Inc.; Bristol-Myers Squibb; Daiichi Sankyo Pharma Co., Ltd.; Merck & Co., Inc.; Pfizer Inc.; Pfizer Animal Health; Taisho Pharmaceutical Co., Ltd.; TargeGen, Inc.; Teva Pharmaceutical Industries, Ltd.; Genentech Inc.; AstraZeneca UK Limited; Gilead Sciences, Inc.; Array BioPharma Inc.
Pipeline Technologies/Platforms:	Application(s):	Development stage:
Captisol-Enabled® Formulations: • Amiodarone – Licensed Worldwide • Budesonide – Licensed in the U.S. • Fexofenadine • Fosphenytoin • Melphalan – Licensed in the U.S. • Propofol • Sertraline	-IV Antiarrhythmic -Respiratory -Oral Antihistamine -IV Anti-epilepsy -IV Oncology -IV Anesthetic -Oral Antidepressant	Preclinical – Clinical; Seeking development/marketing partners

Contact: Jose L. Rodriguez

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DEGUSSA CORPORATION
Pharma Polymers
2 Turner Place
Piscataway, NJ 08854
T: (732) 981-5383
F: (732) 981-5484
E: eudragit.usa@degussa.com

DEGUSSA AG - PHARMA POLYMERS
Röhm GmbH
Kirschenallee 45
64293 Darmstadt, Germany
T: +49-6151-18-4019
F: +49-6151-18-3520
E: eudragit.germany@degussa.com
website: www.pharma-polymers.com



Current Technologies/Platforms:	Application(s):	Current Partner(s):
EUDRACOL™	Colon-targeted, sustained-release, oral drug delivery technology	
EUDRAPULSE™	Pulsatile oral; drug delivery technology with variable lag times	Data not provided
EUDRAMODE™	Oral drug delivery platform technology providing a broad range of release profiles	

Contact: Dr. Gerhard Renner, +49 6151 184810, gerhard.renner@degussa.com



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DEL CATH SYSTEMS, INC.
Rockefeller Center – 600 Fifth Avenue – 23rd Floor
New York, NY 10020
Phone: (212) 489-2100 Fax: (212) 489-2102
email: info@delcath.com
www.delcath.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Delcath's platform technology consists of an ultra-high dose targeted drug delivery system for the treatment of metastatic and primary cancer in the liver. The Delcath System utilizes a series of percutaneous catheters and extracorporeal filtration to deliver chemotherapeutic and therapeutic agents directly to an isolated region of the body, while minimizing systemic exposure. The result is a significantly increased therapeutic efficacy with minimized side-effects.	Phase III trial for metastatic melanoma to the liver and Phase II trial for primary and metastatic cancer to the liver, including neuroendocrine tumors and adenocarcinoma.	Both trials are taking place at the National Cancer Institute, where a 5-year Cooperative Research & Development Agreement is in effect. In the near future, the Phase III trial will expand to leading melanoma and cancer centers in the US.
Pipeline Technologies/Platforms:	Application(s):	Development stage:
Delcath System utilized with new drug agents.	Hepatitis C colorectal cancer metastasized to the liver.	Preclinical validation.
Delcath System for isolated treatment of other organs and body regions.	Sarcomas and diffuse metastatic disease.	Product development.

Contact: Jason Rifkin, VP Business Development, (212) 489-2100

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DENDRITIC NANOTECHNOLOGIES, INC.
2625 Denison Drive
Mount Pleasant, MI 48858
Phone: (989) 774-6565 Fax: (989) 774-2322
email: hayes@dnanotech.com
www.dnanotech.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
STARBURST™ Dendrimer Platform	Drug Delivery, Imaging Enhanced Drug Solubility	Large Pharma Companies Actively Seeking Partner
Priostar™ Dendrimer Platform	Drug Delivery, Imaging Enhanced Drug Solubility	Actively Seeking Partner Actively Seeking Partner
Pipeline Technologies/Platforms:	Application(s):	Development stage:
MRI Agent undisclosed Cisplatin-Dendrimer formulation Drug Formulation undisclosed siRNA Formulation	Blood pool, targeted organs Ovarian cancer Oncology Transfection	Pre-clinical Pre-clinical Late Development Pre-clinical

Contact: Ryan Hayes, PhD, Director of Business Development, (989) 774-6565

DRUG DELIVERY TECHNOLOGIES

DEPOMED, INC.
1360 O'Brien Drive
Menlo Park, CA 94025
Phone: (650) 462-5900
www.depomed.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Gastric Retention (GR) System	Proprietary, oral, controlled-release drug delivery system	Biovail, Inc., ActivBiotics and AVI BioPharma
Pipeline Technologies/Platforms:	Application(s):	Development stage:
Metformin GR Ciprofloxacin GR Gabapentin GR Furosemide GR Metformin/Sulfonyleurea GR combo NEUGENE product Rifalazil GR	Type II diabetes (oral) Urinary Tract Infection (oral) Seizures/Pain (oral) Diuretic (oral) Type II diabetes (oral) Undisclosed GI Infection (oral)	Conducting second phase III Phase III Phase I completed Phase I completed Preclinical Preclinical Preclinical

Contact: Thadd Vargas, (650) 462-5900

DRUG DELIVERY Technologies

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DIRECT-HALER A/S
Symbion Science Park, Fruebjergvej 3
Copenhagen, Denmark DK-2100
Phone: +45 39 17 96 96 Fax: +45 39 17 96 90
email: keldmann@directhaler.com
www.directhaler.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>DirectHaler Pulmonary Inhaler</i>	- Local lung delivery - Systemic lung delivery	N/A
<i>DirectHaler Nasal Delivery Device</i>	- Local nasal delivery - Systemic nasal delivery	N/A
<i>Nasal Delivery Method</i>	- Local & systemic delivery	
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Pulmonary Inhalers</i>	Advanced pulmonary delivery	Prototypes

Contact: Dr. Troels Keldmann

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DOW CORNING CORPORATION
PO Box 994
Midland, MI 48686
Phone: (989) 496-6000 Fax: (989) 496-6731
email: lifesciences@dowcorning.com
www.dowcorning.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Transdermal Drug Delivery</i>	Pressure Sensitive (PSA) and Soft Skin (SSA) adhesives; excipients; elastomeric matrices; in situ film-forming materials; coatings; fluids; and emulsions	
<i>Controlled Release Devices</i>	Adhesives, Medical-Grade Elastomers	Many
<i>Excipients for Topical Pharmaceutical Applications</i>	Ointments, Emulsions, Gels, Sprays, Sticks, Delivery of Actives	
<i>Topical excipients</i>	Volatile excipients, fluids, blends, waxes and emulsifiers to aid the delivery of topical forms and actives	

Contact: Stacey Chapin

DRUG DELIVERY TECHNOLOGIES



DPT LABORATORIES, LTD.
307 East Josephine Street
San Antonio, TX 78215
Phone: (210) 476-8159 Fax: (210) 829-8733
e-mail: confidence@dptlabs.com
www.dptlabs.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Advanced formulation expertise, including multivesicular emulsions, liposomes, microemulsions, anhydrous aerosol foams, low surfactant and surfactant-free formulations</i>	Aerosols, Creams, Foams, Gels, Lotions, Ointments, Solutions, Suspensions, Nasal Sprays	

Contact: Roxanne Barr

DRUG DELIVERY TECHNOLOGIES



DUOJECT MEDICAL SYSTEMS INC.
50 chemin de GASPE, Complexe B-5,
Bromont, Quebec, Canada J2L 2N8
Phone: (450) 534-3666 Fax: (450) 534-3700
email: e-novations@duoject.com - www.duoject.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>SMART-ROD - Recon System Pre-attachable to WFI Prefilled Staked-in Needle Syringes</i>	Reconstitution + Drug Delivery	
<i>SMART-ROD XR - One-Step Activation Version of the SMART-ROD</i>	Reconstitution + Drug Delivery	
<i>PEN-PREP XR - Recon System for 3-ml Cartridges for Multiple Injection Pen Injection Applications</i>	Reconstitution + Drug Delivery	Nypro Inc., Hyaluron Contract Manufacturing
<i>INTER-VIAL - Cartridge-based Recon System for Vial-d Lyophilizates</i>	Reconstitution + Drug Delivery	
<i>INTER-VIAL PLUS - Recon System for Cartridge-filled Lyophilizates</i>	Reconstitution + Drug Delivery	
<i>E Z LINK - Transfer System for Any Size Syringe w/With Auto-venting</i>	Drug Transfer + Reconstitution	
<i>VARI-VIAL - Pump Infusion Syringe Prefillable on Vial-filling lines</i>	Drug Delivery	
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>VARI-VIAL DC - Double Chamber Syringe</i>	Lyophilizate Reconstitution + Delivery	Mid Stage
<i>VARI-VIAL Airless DC - Double-chamber Syringe With "Airless" High Shear Mixing Capability</i>	Airless Microsphere Resuspension + Delivery	Mid Stage
<i>SMART-ROD MAX - Low Volume Recon System for Use With Max Recovery Vials</i>	Low-Volume Reconstitution + Delivery	Early Stage

Contact: Daniel MacDonald

DRUG DELIVERY TECHNOLOGIES

DURECT CORPORATION
10240 Bubb Road
Cupertino, CA 95014
Phone: (408) 777-1417 Fax: (408) 777-3577
email: IR@DURECT.COM
www.durect.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>DUROS®</i>	systemic and site-directed implantable	Endo Pharmaceuticals
<i>SABER®</i>	parenteral, oral, dermal and others	Cardinal Health, BioPartners, Pain Therapeutics
<i>DURINTM</i>	biodegradable implant	Voyager Pharmaceuticals
<i>MICRODUR™</i>	microsphere injectables	
<i>LACTEL®</i>	biodegradable polymers	Various

Contact:

DRUG DELIVERY Technologies

DRUG DELIVERY TECHNOLOGIES

EGALET
Lejrvej 37- 41 Kirke Vaerlose
DK - 3500 Vaerlose - Denmark
Phone: +45 4447 8080 Fax: +45 4447 2425
www.egalet.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Egalet®</i>	Oral Sustained Release	
<i>Parvulet®</i>	Pediatrics	
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Cardiovascular Morphine</i>		Phase II/III Phase II

Contact: Ken Downie

DRUG DELIVERY TECHNOLOGIES

E.I. DUPONT DE NEMOURS COMPANY
DuPont Fluorochemicals, Chestnut Run Plaza
Wilmington, DE 19880-0711
Phone: (302) 224-0426 Fax: (302) 224-0427 www.dupont.com/dymel

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Technical Service Assistance (i.e. Basic Propellant Properties and Characteristics, Formulation Properties Data, Formulation Testing, Analytical Services, Toxicity Information, Regulatory Assistance, Safe Storage and Handling)</i>	Metered Dose Inhalers, Dry Powder Inhalers and other medical aerosols	Confidential
<i>Particle Science Technology, Engineering Evaluations for Heat, Mass & Momentum Transfer, Quality Management and Technology, Chemical & Reaction Engineering, Electrical & Energy Engineering, Environmental and Process Safety</i>	Metered Dose Inhalers, Dry Powder Inhalers and other medical aerosols	Confidential

Contact: Mr. Joe Creazzo, email: Joseph.A.Creazzo@usa.dupont.com

DRUG DELIVERY TECHNOLOGIES



ELAN DRUG TECHNOLOGIES
Monksland - Athlone, Co Westmeath - Ireland
Phone: +353 90 64 95000 Fax: +353 90 64 95807
e-mail: operations@elan.com
Website: www.elan.com/EDT

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>NanoCrysta® Technology (for poorly water soluble compounds)</i>	Oral: enhanced bioavailability, rapid absorption, decreased fed/fasted variability, solid oral dosage forms, waterless tablets, oral liquids Parenteral: low volume, high dose aqueous formulation for depot, IV, IM and sub-q administration Respiratory: liquid and dry powder formulations for upper respiratory or deep lung delivery: sterile, preservative-free aqueous nasal spray suspensions	Number of clients – commercialized products using technology with Wyeth, Merck, Abbott, Solvay, and Par Janssen MAP Pharmaceuticals
<i>Oral Controlled Release Technology platform including: SDDAS® Technology, IPDAS® Technology, CODAS™ Technology</i>	Controlled Release, Sustained Release, Pulsatile Release, Delayed Release Solid Oral Applications	Novartis, King Pharma Schwarz, Watson, Tanabe
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>NanoCrysta® Technology</i>	IM formulation of NCE	Phase III
<i>NanoCrysta® Technology</i>	Inhalation reformulation of marketed product	Phase II
<i>NanoCrysta® Technology</i>	Oral liquid NCE	Phase II
<i>NanoCrysta® Technology</i>	Tablet NCE	Phase I
<i>NanoCrysta® Technology</i>	IM depot	Phase I
<i>NanoCrysta® Technology</i>	Tablet reformulation of marketed product	Phase I
<i>SDDAS® Technology</i>	Solid oral controlled release reformulation of marketed product	Filed
<i>SDDAS® Technology</i>	Solid oral controlled release reformulation	Phase III

Contact: Sarah Carty, Business Development, +353 1 709 4046 (sarah.carty@elan.com)

DRUG DELIVERY TECHNOLOGIES

EMISPHERE TECHNOLOGIES, INC.
765 Old Saw Mill River Road
Tarrytown, NY 10591
Phone: (914) 785-4700 Fax: (914) 347-2498
email: BusinessDevelopment@emisphere.com - www.emisphere.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>eliger® Technology</i>	Delivery of therapeutic molecules via oral, buccal, rectal, sublingual, vaginal, & pulmonary routes	Proprietary Technology
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Oral Calcitonin</i>	Osteoporosis	Phase III w/Novartis
<i>Oral Calcitonin</i>	Osteoarthritis	Phase III w/Novartis
<i>Oral Human Growth Hormone</i>	Growth disorders	Phase II w/Novartis
<i>Oral Parathyroid Hormone (1-34)</i>	Osteoporosis	Phase I w/Novartis
<i>Oral Gallium</i>	Hypercalcemia	Phase I w/Genta
<i>Oral Heparin</i>	Cardio-vascular	Phase II (Self Developed)
<i>Oral Insulin</i>	Diabetes	Phase II (Self Developed)
<i>Oral GLP-1</i>	Metabolic disorders	Phase I (Self Developed)
<i>Oral PYY</i>	Obesity	Phase I (Self Developed)
<i>Oral Acyclovir</i>	Anti-Viral	Phase I (Undisclosed partner)
<i>Oral Cromolyn Sodium</i>	Asthma/Allergy	Phase I (Self Developed)

Contact: Ms. Bavani Shanki

DRUG DELIVERY TECHNOLOGIES



EMPI
599 Cardigan Road
St. Paul, Minnesota 55126
Phone: (800) 328-2536
www.empi.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Iontophoresis (non-invasive method of drug delivery into and/or through biological membranes, such as skin, mucosal membrane of the body cavity, or ocular tissue for local or systemic applications)</i>	<ul style="list-style-type: none"> Physical therapy Local dermal anesthesia 	
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Transscleral Iontophoresis (non-invasive drug delivery into back of the eye)</i>	<ul style="list-style-type: none"> AMD Diabetic Retinopathy 	Preclinical

Contact:

See Company Profile

DRUG DELIVERY TECHNOLOGIES

ETHYPHARM
194 Bureaux de la Colline
92213 Saint-Cloud Cedex - France
Phone: +33 1 41 12 17 20
www.ethypharm.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Oral Modified Release</i>	Oral, site-specific, sustained, delayed	Biovail, Astra
<i>Taste-Masking, Orodispersible</i>	Oral, rapid dispersion	Janssen, BMS
<i>Oral Enhanced Absorption</i>	Oral, pulmonary (macromolecules)	Novartis, Sanofi
<i>Injectable Modified Release</i>	Parenteral / implantation parenteral	
<i>Vaccine Delivery/Cancer & Adjuvants</i>	Parenteral	

Contact: Bruno Delie, Senior VP, Business Development, +33 1 41 12 17 20

DRUG DELIVERY Technologies

DRUG DELIVERY TECHNOLOGIES



EURAND, INC.
845 Center Drive
Vandalia, OH 45377
Phone: (937) 898-9669 Fax: (937) 898-1093
email: partners@eurand.com
www.eurand.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>AdvaTab™</i>	Orally Disintegrating Tablets	Multiple International Partners
<i>Biorise®</i>	Bioavailability Enhancement	
<i>Diffucaps®</i>	Customized Release	
<i>Diffutabs®</i>	Customized Release	
<i>Liquitard</i>	Taste-masking/Suspension	
<i>Microcaps®</i>	Taste-masking	
<i>Minitabs®</i>	Customized Release	Pre-Clinical
<i>Orbexa™</i>	Customized Release	
Pipeline Technologies/Platforms:	Application(s):	
<i>Drug Targeting/Drug Conjugation</i>	Parenteral	

Contact: Troy Harmon



DRUG DELIVERY TECHNOLOGIES

FERRIS PHARMACEUTICALS INC.
16W300 83rd Street
Burr Ridge, IL 60527-5848
Phone: (630) 734-7810 Fax: (630) 887-1008
email: info@ferrispolymem.com
www.FerrisCares.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Polyurethane matrix (contains absorbent starch, glycerol, surfactant) drug free</i>	Wound dressings	Marketed by Ferris Mfg. Corp.
<i>Polyurethane matrix containing antimicrobial (nanocrystalline silver)</i>	Antimicrobial dressings	Marketed by Ferris Mfg. Corp.
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Loaded foam and gel formulations to which drugs, carriers, biologicals, or cosmetics (dry or liquid form) can be added without heat/shear degradation, sterile/non-sterile</i>	Transdermal - healthy or injured skin/tissue Mucosal - (mouth, nose, rectum) healthy/injured	

Contact: Paul Kay

DRUG DELIVERY TECHNOLOGIES

FERTIN PHARMA A/S
Industrivej 8
DK-7120 Vejle
Denmark
Phone: (+45) 72 15 13 00 Fax: (+45) 72 15 13 01
email: fertin@fertin.com
www.fertin.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>MediChew®</i>	Oral, Buccal	Novartis, GlaxoSmithKline

DRUG DELIVERY TECHNOLOGIES

FILTERTEK INC.
11411 Price Road
Hebron, IL 60034
Phone: (800) 648-0791 Fax:
(800) 648-2929
www.filtertek.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Needles Access Products</i>	Drug Delivery/Transfer	Various
<i>Various Filters and Fluid Control Components</i>	Intravenous Drug Delivery	Various
<i>Air and Liquid Filters</i>	Pharmaceutical/Laboratory Processing	Various

Contact: Bruce Daniels, VP Medical Marketing

DRUG DELIVERY TECHNOLOGIES

FLAMEL TECHNOLOGIES S.A.
Parc Club Du Moulin à Vent
33, Avenue du Docteur Georges Lévy
69693 Vénissieux Cedex - France
Phone: (+33) 4-72-78-34-34
www.flamel.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>MicroPump MEDUSA</i>	Oral (MicroPump) Parenteral	GSK, Servier Monde, Merck & Co. (all with MicroPump)
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Genvir (MicroPump)</i> <i>Metformin XL (MicroPump)</i> <i>Ace Inhibitor (MicroPump)</i> <i>Augmentin SR (MicroPump)</i> <i>Basulin (MEDUSA)</i> <i>Various Drugs</i>	Oral Oral Oral Oral Parenteral Various	Phase III Phase I Confidential Confidential Phase I (completed) Preclinical

Contact: Frederick Simonin, (+33) 4-72-78-34-34

DRUG DELIVERY TECHNOLOGIES

FRESENIUS KABI DEUTSCHLAND GMBH
Else-Kröner-Straße 1
Bad Homburg, Germany 61352
Phone: : +49-(0)6172 608 8406 Fax: +49-(0)6172 608 8485
email: HESylation@fresenius-kabi.com
www.fresenius-kabi.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>HESylation</i>	Half-life prolongation of undisclosed protein	Sandoz/Novartis
	Half-life prolongation of undisclosed protein	Several partners

Contact: Frank Feller

DRUG DELIVERY TECHNOLOGIES

GENEREX BIOTECHNOLOGY CORPORATION
33 Harbour Square, Suite 202
Toronto, Ontario, Canada M5J 2G2
Phone: (800) 391-6755 Fax: (416) 364-9363
email: info@generex.com
www.generex.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>RapidMist™™</i>	Buccal Mucosa	Not Disclosed
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Generex Oral-lyn™™ - Oral insulin spray for the treatment of diabetes</i> <i>Glucose RapidSpray™™</i> <i>Metformin Gum</i> <i>Fentanyl Spray</i>	Buccal Mucosa	Approved in Ecuador Not Disclosed

Contact: Business Development (800) 391-6755, info@generex.com

DRUG DELIVERY Technologies

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GENZYME PHARMACEUTICALS
675 West Kendall Street
Cambridge, MA 02142
Phone: (800) 868-8208 or (617) 374-7248
Fax: (617) 768-9765
E-mail: pharmaceuticals@genzyme.com
www.genzymepharmaceuticals.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>LipoBridge</i> [®]	CNS, blood brain barrier, Alzheimer's, stroke, trauma, Parkinson's, Multiple Sclerosis	Undisclosed
<i>LipoMask</i> [™]	Extended circulation time of drug particles in blood	Undisclosed
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Cerense</i> [™]	Deliver and assess poorly brain-penetrant drug compounds in the CNS	Undisclosed
<i>Design for Peptide Delivery</i> [™]	Customized solutions for peptide formulations	Undisclosed

DRUG DELIVERY TECHNOLOGIES



GLATT PHARMACEUTICAL SERVICES
20 Spear Road
Ramsey, NJ 07446
Phone: (201) 825-8700
www.glattpharmaceuticals.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>CPS</i> [™]	Proprietary Drug Delivery Technology, High Potency Pellets, Uniformly Distributed Low Doses, Advantages over Extrusion/Spheronization, Dense, Spherical, Uniform Pellets	Not Disclosed
<i>MicroPx</i> [™]	Proprietary Drug Delivery Technology, High Potency Pellets, Pellets sizes of 50 microns and larger, Continuous Process, Dense, Spherical, Uniform	
<i>ZRx</i> [™]	Zero-Order Release Tablet System, Extended Release Tablet Matrix System, Zero or First-Order Release Characteristics	

Contact: Thomas M. Salus, (201) 818-3778

DRUG DELIVERY TECHNOLOGIES

HALOZYME THERAPEUTICS
11588 Sorrento Valley Road, Suite 17
San Diego, CA 92121
Phone: (858) 794-8889 Fax: (858) 259-2539
e-mail: mwilson@halozyme.com
Website: www.halozyme.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>HYLENEX</i>	Low unit doses/small molecule generics	Baxter
<i>Enhance Technology</i>	High unit doses/large molecules & proprietary small molecules	Roche Multiple partnering opportunities still available
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Chemophase</i>	Oncology	Phase II

Contact: Mark S. Wilson

DRUG DELIVERY TECHNOLOGIES

HOSPIRA, INC.
One 2 One
D988, H1 275 Northfield Drive
Lake Forest, IL 60045
Phone: (224) 212-2267 Fax: (224) 212-3210
email: one2one@hospira.com
www.hospira.com


Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Pre-filled Syringes</i>	Plastic polymer and glass syringes available in luer cone, luer lock, and stacked in needle configurations	Multiple
<i>i-Secure</i> [™]	Pre-filled cartridge syringe designed for compatibility with IV sets or needles	
<i>VisIV</i> [™]	Ready-to-use IV medication delivery in a non-PVC/non-DEHP container	
<i>ADD-Vantage System</i> [®]	IV admixture system used when medication is not stable in a premix format	
<i>Ansyr Syringe</i> [®]	Pre-filled plastic syringe compatible with IV systems	

Contact: Kevin Wess

DRUG DELIVERY TECHNOLOGIES



HOVIONE
40 Lake Drive
East Windsor, NJ 08520
Phone: 609-918-2600 Fax: 609-918-2615
email: hello@hovione.com
www.hovione.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Spray Drying</i>	Encapsulation, Agglomeration, Reduction Residual Particle Sizing and Shaping	Many
<i>Micronization</i>	Particle Size Control	
<i>Freeze Drying</i>	Processing Thermally Labile APIs	
Pipeline Technologies/Platforms:	Application(s):	
<i>Sonocrystallization</i>	Manipulate degree of crystallinity	

Contact: Mr. Doug Hecker

DRUG DELIVERY TECHNOLOGIES

HYALURON CONTRACT MANUFACTURING
99 South Bedford Street
Burlington, MA 01803
Phone: (781) 270-7900 x114 Fax: (781) 270-7899
email: info4@hyaluron.com
www.hyaluron.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Bubble-Free Filling</i> [™]	Prefilled syringes with no gas bubble	Not Disclosed
<i>Syringe Filling</i>	Liquid filling	Not Disclosed
<i>Vial Filling</i>	Liquid filling	
<i>Lyophilization</i>	Vials	
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Lyophilization in syringes</i>	Dual-chamber syringes	Not Disclosed

Contact: Claudio Tracanna, (781) 270-7900 x114

DRUG DELIVERY Technologies

DRUG DELIVERY TECHNOLOGIES

INEOS FLUOR
The Heath - Runcorn
Cheshire, WA7 4QX UK
Phone: +44 (0)1928 515525 Fax: +44 (0)1928 511418
e-mail: info@ineosfluor.com
www.ineosfluor.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
HFA 134a and HFA 227ea Medical Propellants	Medical Aerosols	Supply 80% of world market
Contact: Dr. Tim Noakes		

DRUG DELIVERY TECHNOLOGIES



INNERCAP TECHNOLOGIES, INC.
9745 International Court North
St. Petersburg, FL 33716
Phone: (813) 837-0796 Fax: (813) 837-0207
email: info@innercap.com
www.innercap.com

See Company Profile

Pipeline Technologies/Platforms:	Application(s):	Development stage:
NOVACAPS™	Multi-Phase, Multi-Compartment Capsules Multiple Dual Drug Delivery Controlled and Site Specific Drug Delivery Incompatible combination drugs Pulsatile Drug Delivery	Actively seeking Licensees and partner
Contact: Fred H. Miller, (813) 837-0796		

DRUG DELIVERY TECHNOLOGIES

INTELLIPHARMACEUTICS CORP.
30 Worcester Road
Toronto, Ontario M9W 5X2 - Canada
Phone: (416) 798-3001, ext. 128 - Fax: (416) 798-3007
e-mail: info@intellipharmaceutics.com
www.intellipharmaceutics.com

Current Technologies/Platforms:	Application(s):	Development stage:
HyperMatrix™ Technology Platforms	Oral Drug Delivery	Par Pharmaceuticals, ratiopharm, Elite, Larasan
Contact: Joe Quinto, Director of Business Development		

DRUG DELIVERY TECHNOLOGIES

INYX, INC.
825 Third Avenue, 40th Floor
New York, NY 10022
Phone: (212) 838-1111 Fax: (212) 838-0060
e-mail: info@inyxgroup.com
www.inyxgroup.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Metered Dose Inhalers (CFC & HFA)	Asthma, Systemic	None
Dry Powder Inhalers	Asthma	None
Nasal/Sublingual/Buccal Sprays	Allergy, Systemic	None
Topical Foams/Creams/Ointments/Gels	Dermatological	None
Aseptic Fill/Sterile Injectables	Varied	None
Solid Dose	Varied	None

DRUG DELIVERY TECHNOLOGIES



INTERNATIONAL SPECIALTY PRODUCTS (ISP)
1361 Alps Road
Wayne, NJ 07470
Phone: (973) 628-4000 Fax: (973) 628-4117
email: info@ispcorp.com
www.ispcorp.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Solid Dispersions	Bioavailability Enhancement	Not Disclosed
Contact: Dr. Tim Bee		

DRUG DELIVERY TECHNOLOGIES



KURVE TECHNOLOGY, INC
19805 North Creek Pkwy
Bothell, WA 98011
Phone: (425) 640-9249 Fax: (425) 673-5783
e-mail: info@kurvetech.com
www.kurvetech.com

Current Technologies/Platforms:	Application(s):	Development stage:
Controlled Particle Dispersion™ ViaNase ID	Nasal drug delivery Intelligent nasal drug delivery with electronic controls & lockouts	Confidential
Contact: Michael Rackley, VP Business Development, mrackley@kurvetech.com		

DRUG DELIVERY TECHNOLOGIES



LIPOCINE INC.
675 Arapeen Drive, Suite 202
Salt Lake City, UT 84103
Phone: (801) 994-7383 Fax: (801) 994-7388
email: GTS@lipocine.com
www.lipocine.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Lip'ra®	Oral poorly water soluble compounds	Schwarz Pharma
Lip'ra® SSR	Oral extended release for poorly water soluble compounds	Schwarz Pharma
Hydroance®	Oral poorly permeable compounds	N/A
Liliv™	Parenteral delivery	N/A
Contact: Jerry Simmons, Corporate Business Development Officer		

See Company Profile

DRUG DELIVERY TECHNOLOGIES

LTS LOHMANN THERAPIE-SYSTEME AG
Lohmannstr. 2
Andernach, Germany 56626
Phone: +49 (0) 2632 99 - 0 Fax: +49 (0) 2632 99 - 2200
email: ltsgroup@ltslohmann.de
Website: www.ltslohmann.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Transdermal Delivery Systems Oral Drug Delivery Systems (Thin Films)		
Contact: Klaudia Haczekiewicz		

DRUG DELIVERY TECHNOLOGIES

MACROMED, INC.
2417 S. 3850W, Suite 150
West Valley City, UT 84120
T: (801) 433-2560 Fax: (801) 433-2561
Website: www.macromed.com
e-mail: macromed@macromed.com - www.macromed.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
ReGel HySolv SQZgel	Parenteral Depot Parenteral/Oral Solubilizer Oral Sustained Release	Not Disclosed
Contact: Alex S. Kim, Executive Vice President, (801) 433-2560		

DRUG DELIVERY Technologies

DRUG DELIVERY TECHNOLOGIES



MEDPHARM LTD
Unit 3/Chancellor Court, 50 Occam Road,
Surrey Research Park
Guildford, Surrey, United Kingdom GU2 7YN
Phone: +44 1483 457 556 Fax: +44 1483 447742
email: busdev@medpharm.co.uk
www.medpharm.co.uk

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>MedSpray™</i>	A novel topical/transdermal spray	Seeking out-licensing partner
<i>MedNail®</i>	A novel unguinal penetration system	Seeking out-licensing partner
<i>MedFoam™</i>	A novel cosmetically elegant stable/fast-breaking foam	Seeking out-licensing partner

Pipeline Technologies/Platforms:	Application(s):	Development Stage:
<i>MedSpray™</i>	A novel topical/transdermal spray	Pre-clinical
<i>MedNail®</i>	A novel unguinal penetration system	Pre-clinical
<i>MedFoam™</i>	A novel cosmetically elegant stable/fast-breaking foam	Pre-clinical

Contact: Dr. Roley Davis, Business Development Manager

DRUG DELIVERY TECHNOLOGIES

MERRION PHARMACEUTICALS, INC.
219 Racine Drive, Suite D
Wilmington, NC 28403-8702
Phone: (910) 799-1847 Fax: (910) 395-1843
email: info@merrionpharma.com
www.merrionpharma.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Gastrointestinal Permeation Enhancement Technology (GIPE™) for poorly permeable compounds</i>	Applicable to solid and liquid-filled dosage forms. Enhancer-based technology for oral administration of small molecules, macromolecules, peptides, biologics, and polysaccharides	Confidential
<i>Gastrointestinal Retention System (GIRES™) - capsule containing a controlled-release tablet inside an inflatable pouch</i>	Applicable to a wide range of drugs; there is no change in the chemical composition of API. Targeted at once-a-day dosing for compounds with short biological half-lives, narrow absorption windows, narrow therapeutic indices, or which require local delivery to GIT.	

Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Targeted Delivery Systems</i>	Targeted Delivery	Preclinical
<i>Oral Vaccine Delivery Systems</i>	Oral	Preclinical

Contact: Thomas W. Leonard, PhD, VP & CSO

DRUG DELIVERY TECHNOLOGIES

MGLAS AG
Otto-Liebmann-Strasse 2
Münnerstadt, Germany 97702
Phone: +49(0)9733 808-0 Fax: +49(0)9733 808-160
email: info@mglas.de
www.mglas.de

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Containers made of tubular glass: Syringes, cartridges (one- and two-chamber), vials, ampoules, specialities upon on customer request</i>	Parenteral Nasal Oral Diagnostic	Pharmcos, among others: Apotex, Aradigm, AstraZeneca, Biotage, Chiron, Sanofi Aventis, Sanofi Pasteur, Baxter, GSK, Roche Diagnostics, Schering-Plough, Vetter

Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Needle-free devices</i>	Transdermal	Clinical Phase II
<i>Innovative needles (V Bevel®/Spoon Point®/Spoon Point Plus®)</i>	Parenteral	Market
<i>Pre-washed/pre-sterilized cartridges for aseptic filling</i>	Parenteral	Development
<i>Laser technology</i>	Manufacture of containers for parenterals	Market & Developmet

Contact: Mr. Wolfgang Heidl, +49(0)9733 808-125

DRUG DELIVERY TECHNOLOGIES

MISTRAL PHARMA INC.
2101 Halpern
St-Laurent, Quebec H4S 1S3 - Canada
Phone: (514) 920-0909 Fax: (514) 920-0404
www.mistralpharma.com
e-mail: info@mistralpharma.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Procise</i>	Oral Drug Delivery	
<i>Savit</i>	Oral Drug Delivery	Confidential
<i>Chronop</i>	Oral Drug Delivery	

Contact: Alain Desjardins

DRUG DELIVERY TECHNOLOGIES

NASTECH PHARMACEUTICAL COMPANY INC.
3830 Monte Villa Parkway
Bothell, WA 98021
Phone: (425) 908-3600 Fax: (425) 908-3650
www.nastech.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Reversible Tight Junction Modulation</i>	Primarily Intranasal Drug Delivery	Procter & Gamble Pharmaceuticals, Amylin Pharmaceuticals, Novo Nordisk
<i>siRNA Development & Delivery Technologies</i>	Delivery of siRNAs	

Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Intranasal Calcitonin</i>	Osteoporosis	ANDA in review at FDA
<i>Intranasal Parathyroid Hormone (PTH1-34)</i>	Osteoporosis	Phase II
<i>Intranasal PYY (Peptide YY3-36)</i>	Obesity	Phase II
<i>Intranasal Insulin</i>	Diabetes	Phase II
<i>Intranasal Exenatide</i>	Type II Diabetes	Phase I
<i>Intranasal Carbetocin</i>	Autism	Phase I
<i>siRNA Therapeutic</i>	Influenza	Preclinical
<i>siRNA Therapeutic</i>	Inflammatory Diseases	Preclinical

Contact: Ed Bell, Director, Investor Relations, (425) 908-3639, ebell@nastech.com

DRUG DELIVERY TECHNOLOGIES



NEKTAR THERAPEUTICS
201 Industrial Road
San Carlos, CA 94070
Phone: (650) 631-3100 Fax: (650) 631-3150
e-mail: NektarSC@nektar.com
www.nektar.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Advanced PEGylation</i>		UCB, Roche, Baxter, Amgen
<i>Advanced Pulmonary Delivery - Dry Powder</i>	Systemic & Local Lung Delivery	Pfizer, Novartis
<i>Advanced Pulmonary Delivery - Liquid</i>	Local Lung Delivery	Bayer

See Company Profile

DRUG DELIVERY Technologies

DRUG DELIVERY TECHNOLOGIES

NOF CORPORATION NOF CORPORATION, DDS DEVELOPMENT DIVISION
20-3, 4-Chome Ebisu, Shibuya-ku
Tokyo, Japan 150-6019
Phone: +81-3-5424-6741 Fax: +81-3-5424-6769
email: ddsinfo@nof.co.jp
www.nof.co.jp/dds

See Company Profile

Current Technologies/Platforms:	Application(s):	Current Partner(s):
PEGylation	PEG-Drugs	Not Disclosed
Liposome Formulation	Liposome	
PEG Derivatives	Suitable & ideal for producing PEGylated drugs Ideal for screening tests & liposomal formulations	
Phospholipids & Liposomes	Formulation Development	
Highly Purified Oleic Acid Cholesterol Pullulan	Encapsulated antigen or protein can be delivered to dendritic cells, so these nanoparticles can be suitable for stimulating the immune system	

DRUG DELIVERY TECHNOLOGIES

NORWICH PHARMACEUTICALS, INC.
6826 State Highway 12
Norwich, NY 13815
Phone: (607) 335-3000 Fax: (607) 335-3100
email: info@norwichpharma.com
www.norwichpharma.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Solid dose tablets & capsules manufacturing	Clinical & commercial	
Solid dose tablets & capsules packaging	Clinical & commercial	
Non-sterile liquids manufacturing & packaging	Clinical & commercial	Numerous
Non-sterile semi-solids manufacturing & packaging	Clinical & commercial	
Intermediate potency compound manufacturing	Clinical & commercial	
Pipeline Technologies/Platforms:	Application(s):	Development stage:
Clinicals & scale-up for solids, liquids, and semi-solids	Development & commercial	Numerous

Contact: Bob Calabro

DRUG DELIVERY TECHNOLOGIES

NOVADEL PHARMA, INC.
25 Minneakoning Road, Suite 101
Flemington, New Jersey 08822
Phone: (908) 782-3431 Fax: (908) 782-2445
email: bcohen@novadel.com
www.novadel.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Oral spray technology platform applicable to a broad range of therapeutic areas & product categories: • Currently marketed Rx and OTC drugs • New molecular entities in development	<ul style="list-style-type: none"> Oral spray technology potentially achieves: <ul style="list-style-type: none"> rapid delivery of drugs directly to bloodstream quick onset of action Lower doses Avoids the GI tract and first pass liver metabolism Strong patent position 	Par Pharmaceuticals - NitroMist™ (nitroglycerin lingual aerosol) Hanna Biosciences - Zensane™ (ondansetron oral spray) Manhattan Pharmaceuticals for Diprivan (Propofol)

Contact: Barry Cohen

DRUG DELIVERY TECHNOLOGIES

NU SIL TECHNOLOGY
1050 Cindy Lane
Carpinteria, CA 93013
Phone: (805) 684-8780 Fax: (805) 566-9905
email: silicone@nusil.com
www.nusil.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
silicone elastomers pressure sensitive adhesives silicone gels silicone fluids custom development	transdermal, mucosal, in-vitro	

Contact: Mark Paulsen, (805) 684-8780

DRUG DELIVERY TECHNOLOGIES

OAKWOOD LABORATORIES, L.L.C.
7670 First Place, Suite A
Oakwood Village, OH 44146
Phone: (440) 359-0000 Fax: (440) 359-0001
email: info@oakwoodlabs.com
www.Oakwoodlabs.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
CHRONJECT™ Injectables Microsphere Technology	Sustained Release of Parenteral Injectables NMEs, Peptides, Approved APIs	Domestic & International

Sterile Lyophilized Dosage Forms

Pipeline Technologies/Platforms:	Application(s):	Development stage:
Novel Advanced Drug Delivery Technologies		

Contact: Mark T. Smith, President

DRUG DELIVERY TECHNOLOGIES

OCTOPLUS N.V.
Zernikedreef 12
2333 CL Leiden Netherlands
Phone: +31 71 5244044 Fax: +31 71 5244043
Email: info@octoplus.nl
www.octoplus.nl

Current Technologies/Platforms:	Application(s):	Current Partner(s):
PolyActive™	Sustained release of proteins and lipophilic small molecules	Biolex Therapeutics; available for partnering

OctoDEX™	Sustained release of proteins and particulates	Available for partnering
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SynBiosys™	Sustained release of peptides & small molecules	Available for partnering
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Contact: Gerben Moolhuizen, Chief Business Officer, +31 71 5244044

DRUG DELIVERY TECHNOLOGIES

OTSUKA PHARMACEUTICAL Co., LTD. – ODPI DIVISION
Kitahama TNK Bldg. 9F, 1-7-1 Doshomachi, Chuo-ku
Osaka, Japan 5410045
Phone: +81-6-6231-7158 Fax: +81-6-6231-7161
e-mail: odpiweb@otsuka.jp
www.otsuka-odpi.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
ODPI Inhalation Technology Suitable for Large Molecules	Proteins, Peptides, Oligonucleotides, Vaccines	Not Disclosed

Pipeline Technologies/Platforms:	Application(s):	Development Stage:
Details not disclosed	Details not disclosed	Phase II

Contact: Koji Yoneda, Director of Business Development; odpiweb@otsuka.jp

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OWEN MUMFORD, LTD.
 Brook Hill Woodstock
 Oxford, OX20 1TU - England
 Phone: +44 (0) 1993 812021 Fax: +44 (0) 1993 813473
 e-mail: drugdelivery@owenmumford.co.uk
 www.omdrugdelivery.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Customized Drug Delivery Devices</i>		Abbott, Amgen, Sanofi-Aventis, Berlex-Schering AG, Genentech, Lilly, Serono, Teva, Cilag, many more
<i>Autoinjectors for plastic or glass-prefilled syringes; Pen-cartridge injectors</i>	Subcutaneous Delivery	
<i>Re-usable/Re-loadable or Disposable Devices</i>		

Contact Person: Sarah Massey

DRUG DELIVERY TECHNOLOGIES

PARTICLE & COATING TECHNOLOGIES, INC
 5445 Highland Park Drive
 St. Louis, MO 63110
 e-mail: ijacobs@pctincusa.com
 Phone: (314) 535-1516 Fax: (314) 535-1514
 www.pctincusa.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Spinning-disk coating</i>	Many	Several, confidential
<i>Micro-capacity spray dryer</i>	Preformulation Biotechnology Samples	
<i>Mini-Fluid-Bed</i>	Expensive Materials	
<i>Forming narrow-size distributions</i>	Many	
<i>Fluid-bed coating, spray-drying, spray-chilling</i>	Many	
<i>Bioavailability enhancement</i>	Hydrophobic drugs	
<i>Fast-melt tablets</i>	Pharmaceuticals	

Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Coating liquid droplets</i>	Widely applicable	Successful initial applications
<i>Coating particles down to 1 micron</i>	Widely applicable	
<i>Extended-release technology</i>	Fragrance, flavor, etc.	

Contact: Person: Dr. Irwin Jacobs, ijacobs@pctincusa.com

DRUG DELIVERY TECHNOLOGIES

PENWEST PHARMACEUTICALS CO.
 39 Old Ridgebury Road, Suite 11
 Danbury, CT 06810
 Phone: (203) 796-3700 Fax: (203) 794-1573
 e-mail: Diane.dalessandro@penwest.com
 www.penwest.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Timorex®</i>	Oral controlled release	Opana® ER – Endo Pharm Procardia® XL – Mylan Siofedipine® XL – Sanofi Synthelabo Cronodopin – E. Merck Procardia® – Ranbaxy Cystirin® CR – Leiras Internal projects
<i>Geminex®</i>	Dual Drug Release	Internal projects
<i>SyncroDose™</i>	Site and time specific release	Internal projects

Contact Person: Diane D'Alessandro

DRUG DELIVERY TECHNOLOGIES

PFEIFFER OF AMERICA
 742 Alexander Road, Suite 201
 Princeton, New Jersey 08540
 Phone: (609) 987-0223 Fax: (609) 987-1511
 e-mail: info@Pfeiffer-group.com
 www.pfeiffer-group.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Metered Dose Dispensing Systems for Aqueous Solutions & Suspensions</i>	Nasal, Bucal, Topical & Dermal	N/A
Pipeline Technologies/Platforms:	Application(s):	Development Stage:
<i>Microhaler</i>	Pulmonary	Undisclosed

Contact: Richard Sica

DRUG DELIVERY TECHNOLOGIES

PHARMACEUTICAL PROFILES
 Mere Way, Ruddington Fields, Ruddington
 Nottingham, NG11 6JS, United Kingdom
 Phone: +44 115 974 9000
 www.pharmprofiles.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>ENTERION™ CAPSULE</i>	Oral drug development	Many
<i>TECHNECOAT™</i>	Pulmonary drug development	
<i>Gamma Scintigraphy</i>	Nasal, drug development, rectal drug development, vaginal drug development	

Contact: Dr. Gareth King, VP, Business Development

DRUG DELIVERY TECHNOLOGIES



PHARMAFORM L.L.C.
 11400 Burnet Road, Suite 4010
 Austin, TX 78758
 Phone: (512) 834-0449
 Fax: (512) 834-2105
 www.pharmaform.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>PharmaFilm™</i>	Transmucosal	
<i>EDACS™</i>	Oral Sustained Release	Confidential
<i>Taifun™</i>	Dry Powder Inhalation	

Contact Person: Michael M. Crowley, PhD



DRUG DELIVERY TECHNOLOGIES

PII (PHARMACEUTICS INTERNATIONAL, INC.)
 10819 Gilroy Road
 Hunt Valley, MD 21031
 Phone: (410) 584-0001 Fax: (410) 584-0007
 email: sjking@pharm-int.com
 www.pharm-int.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Partnership with Penwest/TimeRx®, Geminex®, SyncroDose™</i>	Controlled Release Technologies	N/A
<i>Partnership with Ethypharm/Flashtab®</i>	Orally Disintegrating Tablet	
<i>PII-MedCrystal® / Co-crystallization Technology</i>	Improved bioavailability, solubility & potentially increased rate of absorption	
<i>Partnership with Accu-Break™ / Unique Scoring of Tablets</i>	Accurate scoring for tablets; Separation of actives	

Contact Person: Susan Wiggins (swiggins@pharm-int.com)

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POLYGENETICS, INC.
PO Box 33115
Los Gatos, CA 95031
Phone: (408) 356-1815 Fax: (408) 356-7094
email: J-Benson@polygenetics.com
www.polygenetics.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Cavilink™ Porous Polymers</i>	Zero-order drug delivery	Mylan Generics
<i>Cavilink™ Porous Polymers</i>	Embolotherapy	Boston Scientific
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Cavilink™ Porous Polymers</i> <i>Cavilink™ Porous Polymers</i>	Oral delivery, zero-order release Low solubility drug delivery	completed Near completion for specific drugs
Contact: Dr. James Benson		

DRUG DELIVERY TECHNOLOGIES

QUALICAPS
6505 Franz Warner Parkway
Whitsett, NC 27377
Phone: (336) 449-3900
www.qualicaps.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Quali-V® capsules</i>	Empty two-piece capsule of non-gelatin origin	
<i>F/S Machine</i>	Combination filling and sealing encapsulation	
Contact: Tamara Smith, (336) 449-3953		

DRUG DELIVERY TECHNOLOGIES

RESPIRICS, INC.
6008 Triangle Drive, Suite 101
Raleigh, NC 27617
Phone: (919) 789-4220 Fax: (919) 789-4254
www.respirics.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>MD Turbo™</i>	Breath-triggered device with electronic dose counter for use with pMDIs	TEAMM Pharmaceuticals (U.S. Market Only)
Pipeline Technologies/Platforms:	Application(s):	Development Stage:
<i>Acu-Breathe™ Single Dose</i>	Pulmonary DPI; for infrequent dosing; single blister	Pre-Clinical
<i>Acu-Breathe™ 15-Dose</i>	Pulmonary DPI; for chronic dosing; replaceable cartridge	Pre-Clinical
<i>Acu-Breathe™ 30-Dose</i>	Pulmonary DPI; for chronic dosing; disposable	Pre-Clinical
<i>Acu-Breathe™ Twin</i>	Pulmonary DPI; for two or more drugs	Design Development
Contact: Gilbert S. Mott, Jr., President & CEO		

DRUG DELIVERY TECHNOLOGIES

RESPIRONICS RESPIRATORY DRUG DELIVERY
41 Canfield Road
Cedar Grove, NJ 07009
Phone: (800) 962-1266 Fax: (724) 387-5270
e-mail: mark.elphick@respirionics.com
www.respirionics.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>The I-neb® AAD® System</i> <i>The I-neb is the third generation AAD (Adaptive Aerosol Delivery) system. It is a small, battery-powered, lightweight, and virtually silent drug delivery device designed to significantly reduce the inconvenience of conventional nebulizer/compressor therapy while delivering a precise, reproducible dose of drug.</i>	Pulmonary Drug Delivery	CoTherix Inc, Schering AG, Profile Pharma Ltd
Contact: Mark Elphick		

DRUG DELIVERY TECHNOLOGIES

REXAM PHARMA
600 Deerfield Parkway
Buffalo Grove, IL 60089
Phone: (847) 541-9700 Fax: (847) 541-9201
e-mail: mailboxpharma@rexam.com
www.rexam.com/pharma



Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>The Sof® Bag: 2 components delivered by Rexam: a multilayer bag in a plastic bottle combined a metering pump to guarantee a maximum protection against contamination and oxidation</i>	Dermal	N/A
<i>Pill jars & value added closures with or without tamper evidence, child resistance or dessicant</i>	Oral	N/A
<i>Our patented Safe'n Sound safety system for prefilled syringes. Transfer sets, veterinary syringes, auto-injectors, implanters, injectable vials</i>	Parenteral	N/A
<i>Diabolo: COC vial closed with a TPE cap in a class 100A room and sterilized to avoid any additional step before filling</i>	Parenteral	Aseptic Technologies
<i>Dry Powder Inhalers & pressurized Metered Dose Inhalers</i>	Pulmonary	N/A
<i>Pumps, Valves & Applicators</i>	Nasal, Buccal & Auricular	N/A
<i>Medical Devices</i>		N/A
<i>Diagnostic Disposables</i>		N/A
Pipeline Technologies/Platforms:	Application(s):	Development Stage:
<i>Preservative Free solutions, ophthalmic pumps & devices</i>	Ophthalmics	
Contact: Robyn Miller		

DRUG DELIVERY TECHNOLOGIES

SAFETY SYRINGES
2875 Loker Avenue East
Carlsbad, CA 92010
Phone: (760) 918-9908 Fax: (760) 918-0565
e-mail: info@safetysyringes.com
www.safetysyringes.com



Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>UltraSafe Passive® Delivery System</i>	Drug delivery devices for prefilled syringes; pharmaceutical presentations that offer passive safety features and improved drug delivery	Amgen, AstraZeneca, Biocan, Janssen-Cilag, Hexal, Johnson & Johnson, Merck, Novartis, Ortho-Clinical Diagnostics, Pfizer, Roche, Shire, Talecris Biotherapeutics
<i>Tamper-Evident UltraSafe Passive® Delivery System</i>	Anti-counterfeiting of drugs; tamper evidence	
<i>Auto Injector With UltraSafe Passive® Delivery System</i>	Self-administration	
Contact: Mark A. Hassett, Executive Vice President		

DRUG DELIVERY TECHNOLOGIES

SCIARRA LABORATORIES, INC.
485-09 S. Broadway
Hicksville, NY 11801
Phone: (516) 933-7853 Fax: (516) 933-7807
email: sciarralabs@att.net
www.sciarralabs.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Metered Dose Inhalers</i> <i>Pharmaceutical Aerosols</i>	Asthma Medication Foams, Solutions	
Contact: John J. Sciarra		

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See Company Profile



SCOLR Pharma, Inc.

SCOLR Pharma, Inc.
3625 132nd Avenue SE 400
Bellevue, WA 98006

Phone: (425) 373-0171 Fax: (425) 373-0181
email: info@scolr.com & productdevelopment@scolr.com
www.scolr.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Dual Polymer Technology	BCS Classes 1 & 2	Perrigo
Electrolyte Technology	BCS Classes 1 & 2	Perrigo
Amino Acid Technology	BCS Classes 1, 2 & 3	Biocryst, Dr. Reddy's
Bioavailability Enhancement Technology	BCS Classes 2 & 4	Biocryst
Pipeline Technologies/Platforms:	Application(s):	Development stage:
Asymmetrical Technology	Complex combinations	Preclinical, patent pending
Ibuprofen CDT Technology		Preclinical, patent pending
Bioavailability Enhancement Technology	BCS Classes 2 & 4	Preclinical, patent pending

Contact: Stephen Turner, VP & CTO, sturner@scolr.com

DRUG DELIVERY TECHNOLOGIES

SENSIRION - THE SENSOR COMPANY
Laubisruetistr. 50
Staefa, Zurich CH-8712, Switzerland
Phone: +41 44 306 4000 Fax: +41 44 306 4030
email: info@sensirion.com
www.sensirion.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Microfluidic flow sensors and systems based on digital CMOS chips	Dosing and metering of liquid drugs in the micro liter and nano liter range	Medical device manufacturers and bio-tech companies
CMOSens Technology - The combination of sensor elements and digital signal processing on one single micro chip	Calibrated, digital, ready to use sensor solutions	
Pipeline Technologies/Platforms:	Application(s):	Development stage:
Disposable Flow Sensors	Dosing and metering of liquid drugs in the micro liter and nano liter range	Functional samples available

Contact: Ulf Kanne +41 44 306 4000

DRUG DELIVERY TECHNOLOGIES

SHARMATEK, Inc.
12 Walnut Drive
Long Valley, NJ 07853
Phone: (908) 852-5087
email: vinaysharma1us@yahoo.com
www.stk-inc.net

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Pulsatile Macroparticulate Drug Delivery System (PMDDS™)	Diltiazem ER Capsules, qd (90,120 mg)	Marketed as Kaizem™ CD in India by Wockhardt
Diffusion Controlled Drug Delivery System (DCDDS™)	Diltiazem ER Capsules, qd (120, 180, 240, 300 360 mf); bioequivalent to Tiazac®, fasted	Available
Hydrophilic Matrix Drug Delivery System (HMDDS™)	Quinidine sulfate ER Tablets (300 mg); bioequivalent to Quinidex;	Currently manufactured and sold by TEVA Pharms
	Felodipine ER tablets, qd (2.5, 5, 10mg)	Available
Delayed Release Drug Delivery System (DRDDS™)	Omeprazole EC capsules (10, 20, 40 mg), qd capsules, qd	Licensed to Wockhardt for international markets
Micro Emulsion Drug Delivery System (MEDDS™)	Cyclosporine	Marketed by Panacea Biotec in India
Predictive Modeling Tool (FRT/IVIC™)	RE: MR product design	Available
Microfluidization Processing Technology (MPT™)	Low solubility, high permeability drugs, such as Cyclosporine	Available
Pipeline Technologies/Platforms:	Application(s):	Development stage:
Biphasic HMDDS™	Drugs absorbed at upper GI tract	Early stage development
Programmable Tabsule™ Drug Delivery System (PTDDS™)	Oral, multi-phasic release, site-specific Tabsules™ (mini-tablets)	Early stage development

Contact: Vinay K. Sharma, PhD, Chairman, (908) 852-5087, Mobile: (908) 616-3319

DRUG DELIVERY TECHNOLOGIES

SMITHS MEDICAL ASD, INC,
2231 Rutherford Road
Carlsbad, CA 92008
Phone: (866) 286-6226 Fax: (760) 929-0147
www.smiths-medical.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Safety Devices for Hypodermic Injections	Injection Medication Delivery	Many
Syringe Pumps and Infusion Accessories	Infusion Medication Delivery	Many

Contact: Mark Baumgartner, Business Development Manager

DRUG DELIVERY TECHNOLOGIES

SOLIQS
Abbott GmbH & Co. KG
Knollstrasse 50
67061 Ludwigshafen, Germany
Phone: (877) 765-4771; +49 621 589 2554
email: welcome@soliqs.com
www.soliqs.com

Pipeline Technologies/Platforms:	Application(s):	Development stage:
SOLIQS Meltrex™	Melt extrusion technology	Multiple partners
Xellex®	Polymer film technology	1 large pharma partner
SoliScreen™	Qualitative & quantitative screening systems	Multiple partners
NanoMorph®	Amorphous nanoparticle technology	Multiple partners
SmartCrystal™	Nanocrystal technology	Multiple partners

Contact: Bryan Wiesner (847) 937-9665, Sigrun Reinwald (847) 935-2311 or Jon Lewis (+49 621 589 2427)

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SPI PHARMA
503, Carr Road
Wilmington, Delaware 19809
Phone: (302) 576-8554
Fax: (302) 576-8567
www.spipharma.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Pharmaburst™ Fast Melt DC Excipient System</i>	Oral Dispersible Tablet	Generic, Brand Rx & OTC
<i>Pharmafreeze™ Fast Melt Lyophilized System</i>	ODT, Sublingual Tablet	Brand Rx
<i>Pharmaspense™ Dry Powder Suspension</i>	Reconstitutable Syrup	Generic Rx, OTC
<i>Pharmagum™ DC Chewing Gum System</i>	Buccal Gum Tablets	OTC & Nutraceutical
<i>Pharmacaps® Taste-Masking/Controlled Release</i>	Chewable, ODT	Generic, Brand Rx, OTC
<i>Custom Powder Processing</i>	Granulation, Chilsonation Micronizing	Rx, OTC, Nutraceutical
Pipeline Technologies/Platforms:	Application(s):	Development Stage:
<i>Pharmatab™ DC Excipient System</i>	Swallow Tablets	Lab-scale evaluation

Contact: Colleen Blackney

DRUG DELIVERY TECHNOLOGIES



TEXMAC INC.
3001 Stafford Drive
Charlotte, NC 28208
Phone: (704) 393-6555 Fax: (704) 392-1621
email: yosaka@texmacusa.com
www.texmac.com

Pipeline Technologies/Platforms:	Application(s):	Development Stage:
<i>Soluble Microneedle Technology</i>	Drug delivery	Distribute sample micro-needles for customer's evaluation
	Cosmeceutical	Distribute sample micro-needles for customer's evaluation

Contact: Yashi Osaka

DRUG DELIVERY TECHNOLOGIES

TRANSPHARMA MEDICAL LTD.
2 Yodfat Street, Northern Industrial Zone
Lod, Israel 71291

Phone: +972-8-915-2201 Fax: +972-8-915-2202
e-mail: info@transpharma.co.il
www.transpharma-medical.com

Pipeline Technologies/Platforms:	Application(s):	Development Stage:
<i>ViaDerm Drug Delivery System</i>	Transdermal	Teva Pharmaceutical Industries (human growth hormone); seeking partner (hPTH (1-34) for osteoporosis)

Contact: Judith Kornfeld, Vice President, Business Development

DRUG DELIVERY TECHNOLOGIES

TRAVANTI PHARMA INC. (FORMERLY BIRCH POINT MEDICAL INC.)
2520 Pilot Knob Road, Suite 100
St. Paul, MN 55120

Phone: (651) 730-1008 Fax: (651) 730-1013
e-mail: rarnold@travantipharma.com
www.travantipharma.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>WEDD® (Wearable Electronic Disposable Drug Delivery) Technology - Proprietary active transdermal (iontophoretic) drug delivery system that is self-contained, portable & disposable</i>	Pain, Inflammation	Undisclosed

Pipeline Technologies/Platforms:	Application(s):	Development Stage:
<i>WEDD® Active Transdermal Drug Delivery System</i>	Pain, Inflammation, Nausea/Emesis, Thrombosis, Osteoporosis, Cosmetics, among others	

Contact: Robert Arnold

DRUG DELIVERY TECHNOLOGIES

TRIS PHARMA, INC.
Brunswick Business Park - 2033 Route 130, Suite D
Monmouth Junction, NJ 08852
Phone: (732) 940-2800 - Fax: (732) 940-2855
e-mail: aparikh@trispharma.com - www.trispharma.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Lipisol™</i>	Bioavailability/Solubility Enhancement	
<i>eXol™</i>	Bioavailability/Solubility Enhancement	
<i>maxsol™</i>	Bioavailability/Solubility Enhancement	Not Disclosed
<i>PerpetuRate™</i>	Controlled Release	
<i>LiquiXR™</i>	Taste-masking/Controlled Release/Liquid Suspension	
<i>delibRate™</i>	Controlled Release	
<i>ProRate™</i>	Controlled Release	
<i>ODTXR™</i>	Orally Disintegrating Tablet /Controlled Release/ Fast Dissolve	

Contact: Anish Parikh

DRUG DELIVERY TECHNOLOGIES

UPM PHARMACEUTICALS, INC.
6200 Seaforth Street
Baltimore, MD 21224
Phone: (410) 843-3738 Fax: (410) 633-4438
askus@upm-inc.com
www.upm-inc.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Cushioning Beads™</i>	Pediatric, geriatric, HIV patients	undisclosed
	Accommodates high and low dose drugs, quick dissolve form	
<i>Trap & Trigger™</i>	Pediatric, geriatric, HIV, cancer patients	undisclosed

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Cushioning Beads™</i>	Oral quick dissolve tab	early
<i>Trap & Trigger™</i>	Oral SR suspension for electrolytic drugs	early

Contact: Rich Ryzenga

DRUG DELIVERY TECHNOLOGIES

VALERITAS
1000C Lake Street
Ramsey, NJ 07446
Phone: (847) 604-8005 Fax: (847) 604-8006
Website: www.valeritas.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Mini-Ject™</i>	Pre-Filled Needle-Free Delivery System	
<i>h-Patch™</i>	Single-Use, Disposable Basal-Bolus Delivery System	
<i>e-Patch™</i>	Control Release Disposable Micro Pump Delivery System	Undisclosed
<i>Micro-Trans™</i>	Microneedle Intradermal Delivery System	

DRUG DELIVERY Technologies

DRUG DELIVERY TECHNOLOGIES

VALOIS
50 Avenue de l'Europe
Marly-le-Roi, France 78164
Phone: +33 (0) 1 39 17 20 20 Fax: +33 (0) 1 39 58 12 98
www.valoispharma.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Metering Spray Pumps</i>	Nasal, Throat, Dermal/Transdermal, Ear	
<i>Metering Valves for pMDIs</i>	Pulmonary (Asthma, COPD)	
<i>Unit-Dose Nasal Spray Devices</i>	Nasal	
Pipeline Technologies/Platforms:	Application(s):	Development Stage:
<i>Dose Indicator for pMDIs</i>		
<i>Dry Powder Inhaler</i>		
<i>Electronic Devices</i>		
<i>New Pumps, Valves and Unit-Doses</i>		

Contact: Pierre Carlotti - VP Marketing

DRUG DELIVERY TECHNOLOGIES

VECTURA GROUP PLC
1 Prospect West
Chippenham
Wiltshire, UK SN14 6FH
Phone: +44 1249 667700 Fax: +44 1249 667701
e-mail: enquiries@vectura.com
www.vectura.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
ASPIRAIR	Pulmonary (Active DPI Device)	Available - Non-exclusive
GYROHALER	Pulmonary (Passive DPI Device)	Available - Non-exclusive
POWDERHALE	Pulmonary (Formulation System)	Available - Non-exclusive

Contact: Doug Smalley, Director of Business Development

DRUG DELIVERY TECHNOLOGIES

VENTAIRA PHARMACEUTICALS, INC.
1801 Watermark Drive, Suite 100
Columbus, OH 43215
Phone: (614) 340-2325 Fax: (614) 340-2320
email: Williams@ventaira.com
www.ventaira.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Mystic drug inhalation technology (uses electrostatic energy to form a uniform fine particle spray)</i>	Pulmonary	
<i>Drug formulation technology (allowing the company to optimize the delivery of drugs - small molecules and are expanding to biomolecules)</i>	Pulmonary	Seeking qualified strategic partners for co-develop opportunities
Internal Pipeline Technologies Partners:	Application(s):	Development stage:
<i>Fluticasone Propionate</i>	Asthma	Completed Phase I clinical trial
<i>Undisclosed</i>	Asthma	Formulation
<i>Undisclosed</i>	Pain	Formulation
<i>Undisclosed</i>	Undisclosed	Formulation

Contact: Leslie Williams, (614) 340-2338

DRUG DELIVERY TECHNOLOGIES

VETTER PHARMA-FERTIGUNG GMBH & Co. KG
Schuetzenstr. 87
Ravensburg, Germany 88212
Phone: +49 751 3700 0 Fax: +49 751 3700 4000
email: info@vetter-pharma.com
www.vetter-pharma.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Double-Chamber Technology</i>		
<i>Lyophilization</i>		Not Disclosed
<i>Anti-counterfeiting Solutions</i>		

Contact: Suzan Frohmann

DRUG DELIVERY TECHNOLOGIES

YPSOMED AG
Brunnmattstrasse 6
Burgdorf, Switzerland 3401
Phone: +41 34 424 41 11 Fax: +41 34 424 41 22
email: info@ypsomed.com
www.ypsomed.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Reusable injection pens</i>	Regular subcutaneous self-injections	Sanofi-Aventis (insulin), Dongbao (insulin), Pfizer (hGH), Eli Lilly (hGH), Genentech (hGH) and Roche (EPO and alpha-interferon), NPS/Nycomed (PTH)
<i>Disposable injection pens</i>	Regular subcutaneous self-injections	Sanofi-Aventis (insulin) and Serono (FSH)
Pipeline Technologies/Platforms:	Application(s):	Development stage:
<i>Reusable and disposable auto-injector systems</i>	Subcutaneous and intramuscular self-injection of bio-molecules	Ongoing development programs with a number of partners

Contact: Ian Thompson, Head of Business Development

DRUG DELIVERY TECHNOLOGIES

ZOGENIX, INC.
11682 El Camino Real, Suite 320
San Diego, CA 92130
Phone: (866) ZOGENIX (866-964-3649) Fax: (858) 259-1166
email: info@zogenix.com
www.zogenix.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Intraject™ Needle-Free Delivery System</i>	Subcutaneous drug delivery, including small molecules, proteins, and peptides	

Contact: Jonathan Rigby, VP, Business Development

DRUG DELIVERY TECHNOLOGIES

AAIPHARMA INC.
2320 Scientific Park Drive
Wilmington, NC 28405
Phone: (800) 575-4224 or (910) 254-7000 Fax: (919) 815-2300
e-mail: services@aaipharma.com
www.aaipharma.com/aaiportal/

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>ProSorb™</i>	Tablet, soft, or hard gelatin capsule dosage forms for improved oral drug delivery • Solubilized formulations • Faster onset of activity • Higher peak blood levels • Greater AUC • Lower COGS	
<i>ProLiquitab™</i>	Novel technology allows solubilized drug to be delivered as a tablet • Solid dosage form manufacturing with liquid matrix benefits • Improves bioavailability of poorly soluble drugs in tablet form • Scalable process using conventional tablet manufacturing equipment	
<i>ProLonic™</i>	Combines the benefits of erosion- and pH-dependent drug release to target the lower gastrointestinal tract • Selectable time of onset of drug delivery • Prolonged delivery • Flexibility to allow pulsatile delivery • Multiple drug-release capability	
<i>ProLipid™</i>	Microemulsion-based tablet or hard gelatin capsule for poorly bioavailable drugs • Improved bioavailability • Less API required for development • Liquid matrix enables containment of highly potent drugs	

Contact: Lee Karas

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535 Madison Avenue, 33rd Floor
New York, NY 10022
Phone: (212) 371-9900 Fax: (212) 371-9050
email: info@ak-america.com - www.ceolus.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Microcrystalline cellulose (High compactible grades) CEOLUS KG grades</i>	Coated granules tab. High dose tab. Smaller tab. ODT Pressure-sensitive APIs	Not Disclosed
<i>Microcrystalline cellulose spheres CELPHERE</i>	Coated granules (Drug-layering substrate)	
<i>Ethylcellulose aqueous dispersion CellosCoat</i>	Controlled release Taste-masking	
<i>Trehalose</i>	Taste-masking (ODT)	

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BASF
The Chemical Company

BASF
100 Campus Drive
Florham Park, NJ 07932
Phone: (800) 443-0627, Fax: (973) 245-6763
email: pharma-solutions@basf.com
www.pharma-solutions.basf.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Kollicoat®</i>	Coatings & Coating Systems	
<i>Kollidon®</i>	Binders & disintegrants	
<i>Ludipress®</i>	Direct compression aids	
<i>Lutrol® & Lutrol® Micro</i>	Solubilizers	
<i>Soluto®</i>	Solubilizer	
<i>Cremophor®</i>	Solubilizer & emulsifier	

Contact: BASF Pharma Solutions, (800) 443-0627

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BROOKWOOD PHARMACEUTICALS

BROOKWOOD PHARMACEUTICALS, INC.
756 Tom Martin Drive
Phone: (205) 917-2239
Fax: (205) 917-2205
www.brookwoodpharma.com

LAKESHORE BIOMATERIALS

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Biodegradable poly(lactide-co-glycolide) (PLG) polymers</i>	-cGMP commercial synthesis of PLGs at lot sizes up to 30 kg -cGMP contract manufacturing of other biodegradable biomaterials excipients	
<i>Contract manufacturing and scale-up of custom biomaterials</i>	Designed for companies developing the next generation of novel biomaterials that require technical expertise, synthesis, characterization, process development, and scale-up	Undisclosed
<i>Modified Polymer Surfaces</i>	-Covalently linking moieties, such as peptides, proteins, and polysaccharides, to biodegradable polymer matrices, such as microparticle rods, fibers, meshes, and other 3-D shapes -Applicable to drug delivery formulations or medical devices	
Pipeline Technologies/Platforms:	Application(s):	Development Stage:
<i>Injectable Microparticles</i>	Wide range of therapeutic areas	Phase I, II and III
<i>Injectable Solid Implants</i>	Wide range of therapeutic areas	Phase I and II
<i>Drug-eluting Devices</i>	Local delivery	Advanced Preclinical

Contact: Kelly Arlint, (205) 917-2239

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Catalent

CATALENT PHARMA SOLUTIONS
14 Schoolhouse Road
Somerset, New Jersey 08873
Phone: (866) 720-3148 Fax: (732) 537-6480
e-mail: info@catalent.com
www.catalent.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Matrix Tablets Tablet Coating Drug Layering Fine-Particle Coating</i>	All are for oral applications for functional release	Many

Contact: sales@catalent.com, (866)720-3148

See Company Profile

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COLORCON
415 Mayer Boulevard
West Point, PA 19486-0024
Phone: (215) 699-7733
www.colorcon.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Acryl-EZE®</i>	Oral, Enteric, Modified Release, Film coating	
<i>Surelease®</i>	Oral, Modified Release, Film coating	
<i>Opaglos® 2</i>	Oral, High Gloss, complete film coating system	
<i>Opadry® II</i>	Oral, High Performance, complete film coating system	
<i>Opadry® AMB</i>	Oral, Aqueous Moisture Barrier, complete film coating system	
<i>Starch 1500®</i>	Partially Pregelatinized Maize Starch, excipient	

Contact: Donna Marano, (215) 661-2630

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Corium

CORIUM INTERNATIONAL, INC.
235 Constitution Drive
Menlo Park, CA 94025
Phone: (650) 298-8255 Fax: (650) 298-8012
e-mail: debfox@coriumtech.com
www.coriumgroup.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>CORPLEX™ Hydrogel</i>	Transdermal, mucosal, wound care, device, and diagnostic products	Pharma, specialty, generic, wound care, and device companies

Contact: Deb Fox, PhD, VP Business Development, (203) 775-7124, debfox@coriumtech.com

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300-A Columbus Circle
Edison, NJ 08837
Phone: (732) 417-0800 Fax: (732) 417-0804
email: pharmaceuticals@crodausa.com
www.crodausa.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Super Refined® Polysorbate 80</i>	Parenteral, Ophthalmic, Oral Topical, & Biotech	
<i>Super Refined® (High-Purity triglycerides)</i>	Topical, Oral, Parenteral	
<i>Super Refined® Oleic Acid NF</i>	Topical, Oral, Transdermal (TDD)	
<i>Super Refined® PEG 300 NF, Super Refined® PEG 400 NF, Super Refined® PEG 600 NF</i>	Topical, Oral, Parenteral	
<i>Crillet HP (High-purity polysorbate)</i>	Topical, Oral, Parenteral	
<i>Cholesterol HP (High-purity cholesterol)</i>	Parenteral	
<i>Medilan™ (Medium-Grade Lanolin)</i>	Topical	
<i>Crodamol (Fatty Esters)</i>	Topical, Oral, Parenteral	

Contact: Nigel Langlely, (732) 417-0800, ext. 4281

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DEGUSSA CORPORATION
Pharma Polymers
2 Turner Place
Piscataway, NJ 08854
T: (732) 981-5383
F: (732) 981-5484
E: eudragit.usa@degussa.com

DEGUSSA AG - PHARMA POLYMERS
Röhm GmbH
Kirschenallee 45
64293 Darmstadt, Germany
T: +49-6151-18-4019
F: +49-6151-18-3520
E: eudragit.germany@degussa.com

Website: www.pharma-polymers.com



Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>EUDRAGIT® L/S and FS Polymers</i>	Enteric Coatings: Polymers for pH-dependent drug delivery from the duodenum to the colon.	N/A
<i>EUDRAGIT® E Polymers</i>	Protective Coatings: Polymers for taste- and odor-masking, moisture protection.	
<i>EUDRAGIT® RL / RS and NE and NM Polymers</i>	Sustained Release: Polymers for delayed, sustained, and pulsed release.	



*Add flexibility and power to your development process with *EUDRAGIT®*. Our wide range of polymers allows you to design your release profile.

Contact: USA: Andrew S. Honeycheck, (732) 981-5383; Germany: Jonas Ide, +49-6151-18-3567

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DEPOMED, INC.
1360 O'Brien Drive
Menlo Park, CA 94025
Phone: (650) 462-5900
www.depomedinc.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Gastric Retention Diffusional Technology</i>	Oral, Liquid, Controlled release of soluble drugs	Biovail, Inc.
<i>Gastric Retention Erosional Technology</i>	Oral, Constant delivery rate of insoluble drugs	
<i>Gastric Retention Bi-Layer Technology</i>	Oral, Controlled release of 2 drugs with different characteristics	
<i>Gastric Retention Combination Technology</i>	Oral, Controlled release of 2 drugs simultaneously or in sequence	Biovail, Inc.

Contact: Thadd Vargas, (650) 462-5900

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THE DOW CHEMICAL COMPANY
P.O. Box 1206
Midland, Michigan 48642
Phone: (898) 832-1560 Fax: (898) 832-1465
www.dowexcipients.com



Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>ETHOCEL™ Ethylcellulose</i>	Controlled release, tablet coating	
<i>METHOCEL™ Cellulose Ethers</i>	Controlled release, tablet coating, granulation, oral films, hot-melt extrusion	
<i>POLYOX™ Water-Soluble Resins NF</i>	Controlled release, hot-melt extrusion	

Contact: Mike Altmann

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DOW CORNING CORPORATION
P.O. Box 994
Midland, MI 48686
Phone: (989) 496-6000 Fax: (989) 496-6731
e-mail: lifesciences@dowcorning.com
www.dowcorning.com

Current Technologies/Platforms:	Application(s):
<i>High-purity, Volatile Silicone Fluids</i>	Carrier for sprays, spreading agent, solvent, lubricant, emollient, skin protectant, and excipient for hydrophilic actives
<i>Blends</i>	Lubricant, emollient, carrier for sprays, spreading agent
<i>Gels</i>	Unique, silky aesthetics (smooth, dry feel); rheology modifier; thickener for silicone-containing formulations
<i>Waxes</i>	Semi-occlusive formulations, lubricant, detackifier, emollient, water-repellent, thickener, moisturizer
<i>Emulsifiers</i>	Room temperature emulsification
<i>Lipids</i>	Vegetable oil, evening primrose oil, camelina oil, borage oil, blackcurrent oil, shea butter, cocoa butter, jojoba oil, mango olein, mango butter, and several silicone and lipid blend emulsions
<i>Lecithin Stabilized Liposome Delivery Solution</i>	Based on a high content of diinoleic phosphatidylcholine

Contact: Stacey Chapin

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ETHYPHARM
194 Bureaux de la Colline
92213 Saint-Cloud Cedex - France
Phone: +33 1 41 12 17 20
www.ethypharm.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Spherulites®</i>	Vaccines	
<i>Multiparticles, Sustained Release Forms</i>	Enhanced Absorption	

Contact: Bruno Delie, Senior VP - Business Development, +33 1 41 12 17 20

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GENZYME PHARMACEUTICALS
675 West Kendall Street
Cambridge, MA 02142
Phone: (800) 868-8208 or (617) 374-7248
Fax: (617) 768-9765
E-mail: pharmaceuticals@genzyme.com
www.genzymepharmaceuticals.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>LipoBridge®</i>	CNS, blood brain barrier, Alzheimer's, stroke, trauma, Parkinson's, Multiple Sclerosis	Undisclosed
<i>LipoMask™</i>	Extended circulation time of partners in blood	Undisclosed

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907 Revolution Street
Havre de Grace, MD 21078
T: (410) 939-7228
e-mail: hubermaterials@huber.com
www.rxcipients.com or www.hubermaterials.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>RxCIPIENTS® FM1000</i>	Fast-dissolve excipient for oral dosage tablets	Various
<i>RxCIPIENTS® GL 100 & 200</i>	Glidants	
<i>HuberCa® calcium carbonate</i>	Inert filler	
<i>Hubersorb silica® & Zepharm® calcium silicate</i>	Carrier	

Contact: Karl Mattson-Boze

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The Heath, Runcorn
Cheshire, UK WA7 4QX
Phone: +44 (0) 1928 51 5525 Fax: +44 (0) 1928 51 1418
email: info@ineosfluor.com
www.ineosfluor.com • www.zephex.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>ZEPHEX 134a and ZEPHEX 227ea HFA medical propellants</i>	Metered Dose Inhalers, other medical aerosols and devices	Supply many of the World's leading MDI companies
<i>CFC11 and CFC12 medical propellants</i>	Made available to support the smooth transition from CFC propelled MDIs to HFA propelled ones	
Pipeline Technologies/Platforms:	Application(s):	Development Stage
<i>Electrostatic effects from propellant interactions with can and drug</i>	Enhancing reproducibility and delivery of pulmonary medications	Early research

Contact: Tim Noakes

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International Specialty Products (ISP)
1361 Alps Road
Wayne, NJ 07470
Phone: (973) 628-4000 Fax: (973) 628-4117
email: info@ispcorp.com
www.ispcorp.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Advantia™ Coating Systems</i>	Oral Solids	Not Disclosed

Contact: Ann Druffner

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INXX, INC.
825 Third Avenue, 40th Floor
New York, NY 10022
Phone: (212) 838-1111 Fax: (212) 838-0060
e-mail: info@inxgroup.com
www.inyxgroup.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Patented novel lipid-binding matrix technology</i>	For delivering incompatible or unstable drug substances that enhance delivery of not only single molecule, but also combination inhalation therapy drugs	

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JRS PHARMA LP
2981 Route 22, Suite 1
Patterson, NY 12563
Phone: (800) 431-2457 Fax: (845) 878-3484
email: info@jrpharma.com
www.jrpharma.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>PROSOLV®</i>	High Functionality Excipients	
<i>PRUV® Sodium Stearyl Fumarate</i>	Lubricant	
<i>EXPLOTAB® Sodium Starch Glycolate</i>	Superdisintegrant	
<i>VIVASTAR® Sodium Starch Glycolate</i>	Superdisintegrant	
<i>EMCOCEL® Microcrystalline Cellulose</i>	Tablet Binder	
<i>VIVAPUR® Microcrystalline Cellulose</i>	Tablet Binder	
<i>LUBRITAB® Hydrogenated Vegetable Oil</i>	Tablet Lubricant	

Contact: Michelle Prybylski (845) 878-8390

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LOPAREX
7700 Griffin Way
Willowbrook, IL 60527
Phone: (630) 734-2700 Fax: (630) 734-2690
email: info@loporex.com
www.loporex.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Silicone-Coated Papers & Films</i>	Release liners for medical devices	

Contact: Steve Saunders, Marketing Manager

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MACROMED, INC.
2417 S. 3850W, Suite 150
West Valley City, UT 84120
T: (801) 433-2560 Fax: (801) 433-2561
Website: www.macromed.com
e-mail: macromed@macromed.com - www.macromed.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>HySolv™</i>	Oral, Parenteral Solubilizer	Not Disclosed

Contact: Alex S. Kim, Executive Vice President, (801) 433-2560

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NOVEON, INC.
9911 Brecksville Road
Cleveland, OH 44141
Phone: (216) 447-5000
www.pharma.noveon.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Carboba® Polymers</i>	Controlled release solid dosage forms (tabs, caps); topical lotions, creams and gels	
<i>Pemulen® Polymeric Emulsifiers</i>	Topical lotions, creams and gels	
<i>Noveon® Polycarbophils</i>	Bioadhesion in vaginal, buccal and ophthalmic applications; taste masking	

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NOF CORPORATION

NOF CORPORATION, DDS DEVELOPMENT DIVISION
20-3, 4-Chome Ebisu, Shibuya-ku
Tokyo, Japan 150-6019
Phone: +81-3-5424-6741 Fax: +81-3-5424-6769
email: ddsinfo@nof.co.jp
www.nof.co.jp/dds

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Activated PEG	PEG-Drugs, Medical Devices	
Phospholipids	Liposomes, Solubilizers, Nanoparticles	
Ultra-Purity Polysorbate 80	Solubilizer	Not Disclosed
PEG	Solubilizer	
Chitosan	Gene/RNA Delivery	

EXCIPIENTS, POLYMERS, LIPSOMES, LIPIDS, COATINGS

PARTICLE AND COATING TECHNOLOGIES, INC.
5445 Highland Park Drive
St. Louis, MO 63110
Phone: (314) 535-1516 Fax: (314) 535-1514
email: rsparks@pctincusa.com
www.pctincusa.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Very viscous coatings Burst-release coatings	Better barriers Delayed release	
Pipeline Technologies/Platforms:	Application(s):	Development Stage:
New barrier coatings		

Contact: Robert Sparks

EXCIPIENTS, POLYMERS, LIPSOMES, LIPIDS, COATINGS

PAULAU CORPORATION
105 Melrich Road
Cranbury, NJ 08512
Phone: (609) 395-8844 Fax: (609) 395-8850
email: amartello@paulaur.com
www.paulaur.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Sugar Spheres USP/NF	Oral, Solid Dosage, Sustained, Controlled & Extended Release	
DURO-TAB®	Direct Compacting & Tableting Sugar	
MEGATAB®	Direct Compacting & Tableting Sucrose	
MEGADEX®	Direct Compacting & Tableting Dextrose	

Contact: Alex Martello

EXCIPIENTS, POLYMERS, LIPSOMES, LIPIDS, COATINGS



PHARMAFORM L.L.C.
11400 Burnet Road, Suite 4010
Austin, TX 78758
Phone: (512) 834-0449, ext. 201 - Fax: (512) 834-2105
www.pharmaform.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Film Coating	Controlled Release, Modified Release, Delayed Release	
Hot Melt Extrusion	Controlled Release, Abuse Deterrent, Dosage Forms, Transmucosal Films, Enhanced Solubility	
Pipeline Technologies/Platforms:	Application(s):	Development Stage:
EDACS Abuse Deterrent Systems	Controlled or abused substances	

Contact: Michael M. Crowley, PhD, VP Business Development



EXCIPIENTS, POLYMERS, LIPSOMES, LIPIDS, COATINGS

POLYMN SCIENTIFIC GMBH
Nussdorfer Laende 11
Vienna, Austria A-1190
Phone: +43-1-36006-6203 Fax: +43-1-3697615
e-mail: office@polymun.com
www.polymun.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Liposome Production Technology	Continuous and aseptic one-step process resulting in sterile liposomes of defined size distribution and long-term stability. Allows scale-up to any desired production size at high drug incorporation rates and excellent batch-to-batch consistency in GMP-compliant quality.	

Contact: Dr. Dietmar Katinger

EXCIPIENTS, POLYMERS, LIPSOMES, LIPIDS, COATINGS



PURAC BIOMATERIALS
111 Barclay Boulevard
Lincolnshire, IL 60069
Phone: (847) 634-6330 Fax: (847) 634-1992
www.puracbiomaterials.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
PURASORB®, Lactide-Based Polymers	<ul style="list-style-type: none"> Ex stock available lactide/glycolide copolymers cGMP (ICHQ7) synthesis up to 150-kg batch sizes Independent supplier with over 35 years of experience 	Many
PURASORB® Custom Synthesis	In order to comply with your specific product requirements, we offer custom synthesis of a wide variety of lactide- and glycolide-based (co) polymers.	
Contract Manufacturing	We offer contract manufacturing for outsourcing of current production and scale-up of innovative technologies.	

EXCIPIENTS, POLYMERS, LIPSOMES, LIPIDS, COATINGS



SPI PHARMA
503, Carr Road
Wilmington, Delaware 19809
Phone: (302) 576-8554
Fax: (302) 576-8567
www.spipharma.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
Mannogem™ EZ, 2080, Granular,	Solid Oral Dose	Rx, OTC & Nutraceutical
Sorbitab™ SD 250, SD 500	Solid Oral Dose	OTC, Nutraceutical
Lubripharm™ SSF	Tablet Lubricant	Rx, OTC

Contact: Colleen Blackney

EXCIPIENTS, POLYMERS, LIPSOMES, LIPIDS, COATINGS

STEPAN COMPANY
100 West Hunter Avenue
Maywood, NJ 07607
Phone: (201) 712-7642 Fax: (201) 712-7648
email: jbutterwick@stepan.com
www.stepan.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
NEOBEE® Medium Chain Triglycerides	Solvent, carrier	
WECOBEE® Triglycerides	Suppository base	

Contact: James M. Butterwick

EXCIPIENTS, POLYMERS, *Liposomes, Lipids, Coatings*

EXCIPIENTS, POLYMERS, LIPSOMES, LIPIDS, COATINGS

TEXMAC

TEXMAC INC.
3001 Stafford Drive
Charlotte, NC 28208
Phone: (704) 393-6555 Fax: (704) 392-1621
email: yosaka@texmacusa.com
www.texmac.com

Current Technologies/Platforms:	Application(s):	Current Partner(s):
<i>Micro-/Nan particle surface coating, modification</i>	Drug delivery, cosmetics	Nara Machinery

Contact: James M. Butterwick

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3M Drug Delivery Systems



Bldg 275-3E-10
St. Paul, MN 55110
Phone: (800) 643-8086 Fax: 651-737-5265
www.3m.com/ddsadv

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing
 Other:

Contact: Brian Gabrio; bjgabrio@mmm.com

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

AAIPHARMA INC.
2320 Scientific Park Drive
Wilmington, NC 28405
Phone: (800) 575-4224 or (919) 254-7000
Fax: (910) 815-2300
e: services@aaipharma.com – www.aaipharma.com/aaiportal/

Please check the categories in which your company provides the service.

- Laboratory Testing Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Phase I-IV Clinical Trials, Clinical trial packaging and distribution

Contact: Lee Karas

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ADHESIVES RESEARCH
400 Seaks Run Road
Glen Rock, PA 17327
P: (800) 445-6240 F: (717) 235-8320
www.adhesivesresearch.com
email: sknorr@arglobal.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other:

Contact: Scott Knorr, (717) 227-3381, sknorr@arglobal.com

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

ADVION
19 Brown Road
Ithaca, NY 14850
Phone: (607) 266-0665 Fax: (607) 266-0749
email: CROinfo@advion.com
www.advion.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis
 Other: Bioanalytical LC/MS/MS, Immunoassay, Sample Management, and Dose Formulation Analysis Services

Contact: Steve Guyan

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

AKORN, INC.
2500 Millbrook Drive
Buffalo Grove, IL 60089
Phone: (800) 932-5676 Fax: 800-943-3694
Website: www.akorn.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing Other:
 Current Partnerships:

Contact: JAY STERN VP SALES & MARKETING

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Alcoa Flexible Packaging
6603 West Broad Street
Richmond, VA 23230
Phone: (804) 281-2603 Fax: (804) 281-2238
www.alcoa.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: Victoria C. Welch, (804) 281-2262

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

Altea Therapeutics Corporation
387 Technology Circle NW, Suite 100
Atlanta, GA 30313
Phone: (404) 835-6310 Fax: (404) 835-6450
email: businessdevelopment@alteatherapeutics.com
www.alteatherapeutics.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: Steven P. Damon, VP, Business Development

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AMERICAN PEPTIDE COMPANY, INC.
777 East Evelyn Avenue
Sunnyvale, CA 94086
Phone: (800) 926-8272 or (408) 733-7604 Fax: (408) 733-7603
www.americanpeptide.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Peptides, cGMP, Process Development

Contact: Gary Hu, VP Sales & Marketing

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ANALYTICAL BIO-CHEMISTRY (ABC) LABORATORIES
7200 East ABC Lane
Columbia, MO 65202
Phone: (573) 443-9000 Fax: (573) 443-9033
email: abc@abclabs.com
www.abclabs.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Laboratory Testing Manufacturing Packaging
 Other: Extractables-Leachables Programs, DMPK, Bioanalysis

Contact: Tom Wilson, VP of Sales

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ARX, LLC, A SUBSIDIARY OF ADHESIVES RESEARCH
400 Seaks Run Road
Glen Rock, PA 17327
P: (800) 445-6240 Fax: (717) 235-8320
email: msloboda@arglobal.com
www.adhesivesresearch.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other:

Contact: Martha Sloboda, (717) 227-3326, msloboda@arglobal.com

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BASF
100 Campus Drive
Florham Park, NJ 07932
Phone: (800) 443-0627, Fax: (973) 245-6763
email: pharmsolutions@basf.com
www.pharma-solutions.basf.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Solid and semi-solid dosage form contract manufacturing

Contact: BASF Pharma, (800) 443-0627

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ASSA INTERNATIONAL INC
3B East Lake Road
Danbury, CT 06811
Phone: (203) 312-0682 Fax: (203) 312-0722
email: assa.info@assainternational.com
www.assainternational.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Other: Education & Training:

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Contact: Dr. Angeline Zakrzewski, email: Angeline@assainternational.com 203-312-0682

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1 Becton Drive, Franklin Lakes, NJ 07417 MC: 407
T: (201) 847-4672 F: (201) 847-4847
e-mail: Jennifer_Zolot@bd.com
www.bd.com/pharmaceuticals

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other:

Contact: Jennifer Zolot, Jennifer_Zolot@bd.com

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BESPAK PLC
Blackhill Drive, Featherstone Road,
Wolverton Mill South
Milton Keynes, Buckinghamshire MK12 5TS
United Kingdom
Phone: +44(0)1908 552600 - Fax: +44(0)1908 552613
e-mail: bizdev@bespak.com - www.bespak.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other:

Contact: Joe Keenan, joe.keenan@bespak.com

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AVEVA DRUG DELIVERY SYSTEMS, INC.
3250 Commerce Parkway
Miramar, Florida 33025
Phone: (954) 430-3340 Fax: 954-430-3390
www.avevadds.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing

Other:
Contact: Bob Bloder/Brian Guy

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AZOPHARMA, CONTRACT PHARMACEUTICAL SERVICES
10320 USA Today Way
Miramar, FL 33025
Phone: (954) 433-7480 Fax: (954) 432-9015
email: development@azopharma.com
www.azopharma.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing

Other: Characterization Services, Synthesis, Preformulation
Contact: David Greeley, VP Sales and Marketing

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300 Kimberton Road
Phoenixville, PA 19460
Phone: (610) 935-4300 Fax: (610) 935-4321
E-mail: direct-gcs@bilcare.com
www.BilcareGCS.com



Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development
 Other: Clinical Labeling, IVRS/IWRS, Global Logistics & Distribution

Contact: Vincent Lagrotteria, VP, Global Sales & Marketing

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300 Kimberston Rd
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Phone: (610) 422-3305 Fax: (610) 935-4321
email: Direct-us@bilcare.com
www.bilcare.com




Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development
 Other: Material supply, packaging design, and optimization

Contact: Remco van Weeren



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BIOCONVERGENCE LLC
4320 West Zenith Drive
Bloomington, IN 47404
Phone: (812) 961-1700 Fax: (812) 961-1733
email: info@bioc.us
www.bioc.us

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: cGMP materials management (storage, dispensing, sampling, logistics), consulting

Contact: Jennifer Winders

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BIOSCREEN TESTING SERVICES, INC.
3904 Del Amo Blvd
Torrance, CA 90503
Phone: (310) 214-0043 Fax: (310) 370-3642
e-mail: info@bioscreen.com
www.bioscreen.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Laboratory Testing Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Analytical Chemistry & Microbiological Testing Services

Contact: Sales

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BIOSERV CORPORATION
5340 Eastgate Mall
San Diego, California 92121
Phone: (858) 450-34123 Fax: (858) 450-0785
email: info@bioservcorp.com
www.bioservcorp.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development
 Other: Lyophilization

Contact: Lee Starr, (858) 450-4676

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BIOVAIL CONTRACT RESEARCH
460 Comstock Road
Toronto, Ontario, Canada M1L4S4
Phone: (416) 752-3636 Fax: (416) 752-7610
email: clientserv@biovail.com
www.biovail-cro.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing
 Other: Clinical Trials & Bioanalysis, Analytical Testing & Analysis

Contact: Tamar Aghamanoukian, Director, Marketing & Sales

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BRI BIOPHARMACEUTICAL RESEARCH INC.
101-8898 Heather Street
Vancouver, BC V6P 3S8
Phone: (604) 432-9237 Fax: (604) 432-9239
e-mail: info@bripharm.com
www.bripharm.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing Other: Bioanalytical Chemistry, CMC

Contact: Clara Faan, VP Business Development & COO

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BROOKWOOD PHARMACEUTICALS, INC.
756 Tom Martin Drive
Phone: (205) 917-2239
Fax: (205) 917-2205
www.brookwoodpharma.com



Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing

Contact: Kelly Arlnt, (205) 917-2239

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535 North Emerald Road
Greenwood, SC 29646
Phone: (888) 783-6361 Fax: (888) 783-6360
email: Glenda.oliver-smith@pfizer.com
www.capsugel.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Laboratory Testing

Contact: Glenda Oliver-Smith

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14 Schoolhouse Road
Somerset, New Jersey 08873
Phone: (866) 720-3148 Fax: (732) 537-6480
e-mail: info@catalent.com
www.catalent.com

Please check the categories in which your company provides the service.

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input checked="" type="checkbox"/> Packaging |
| <input type="checkbox"/> Analytical Testing & Analysis | <input type="checkbox"/> Process Development | | |
| <input checked="" type="checkbox"/> Other: Product Launch Services, Post Launch Services | | | |

Contact: sales@catalent.com, (866)720-3148



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CELSION CORPORATION
10220-L Old Columbia Road
Columbia, MD 21046
Phone: (410) 290-5390 Fax: (410) 290-5394
email: celsion@celsion.com
www.celsion.com

Please check the categories in which your company provides the service.

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> Drug Discovery | <input type="checkbox"/> Analytical Development | <input type="checkbox"/> Formulation Development | <input type="checkbox"/> Stability Testing |
| <input type="checkbox"/> Clinical Trial MFG/Scale-up | <input type="checkbox"/> Technology/Transfer | <input type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input type="checkbox"/> Analytical Testing & Analysis | <input type="checkbox"/> Process Development | | |
| <input checked="" type="checkbox"/> Other: Cancer Drug Development | | | |

Contact: Anthony P. Deasey, EVP & COO, (410) 290-5390 x4899

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CENTER FOR ADVANCED DRUG DEVELOPMENT
100 Oakdale Campus Room 1 PRL
Iowa City, Iowa 52242-5000
Phone: (319) 335-4096 Fax: (319) 335-4374
email: alta-botha@uiowa.edu
www.pharmacy.uiowa.edu/rxserve/index.htm

Please check the categories in which your company provides the service.

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|--|--|---|---|
| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Other: Method development and validation according to ICH guidelines, development of dissolution procedures and validation of the analytical method, pre-formulation, development of formulations, API, excipient and drug product testing according to official monographs. | | | |

Contact: Dr. Alta Botha

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CHARLES RIVER CLINICAL SERVICES NORTHWEST KINETICS
3615 Pacific Avenue
Tacoma, WA 98418
Phone: (253) 593-5304 Fax: (253) 593- 5181
e-mail: BusinessDevelopmentNW@crl.com
www.criver.com

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| <input type="checkbox"/> Clinical Trial MFG/Scale-up | <input type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input type="checkbox"/> Analytical Testing & Analysis | <input type="checkbox"/> Process Development | | |
| <input checked="" type="checkbox"/> Other: Phase I & II Clinical Trials | | | |

Contact: Lisa Rehberger

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CIBA® EXPERT SERVICES
540 White Plains Road
Tarrytown, NY 10591
Phone: (914) 785-2533 Fax: (914) 785-4241
email: cxs_nafta@cibasc.com
www.cibasc.com/cxs

Please check the categories in which your company provides the service.

- | | | | |
|---|--|--|--|
| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input type="checkbox"/> Formulation Development | <input type="checkbox"/> Stability Testing |
| <input type="checkbox"/> Clinical Trial MFG/Scale-up | <input type="checkbox"/> Technology/Transfer | <input type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Other: Leachables and Extractables Analysis, Quality Management, Life Cycle Consultation, EH&S testing and Consulting | | | |

Contact: Miles Hutchings and Dean Hamel

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

CIRRUS PHARMACEUTICALS, INC.
511 Davis Drive, Suite 100
Durham, NC 27713
Phone: (919) 321-4047 Fax: (919) 884-2075
email: BizDev@cirruspharm.com
www.cirruspharm.com

Please check the categories in which your company provides the service.

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Laboratory Testing | | | |
| <input type="checkbox"/> Other: | | | |

Contact: BizDev@cirruspharm.com, 919-321-4047

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



COATING PLACE, INC.
200 Paoli Street, PO Box 930310
Verona, WI 53593
Phone: (608) 845-9521
www.encap.com

Please check the categories in which your company provides the service.

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Other: | | | |

Contact: Fred Schulze, (817) 477-2766

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

COOK PHARMICA LLC
1300 S. Paterson Drive
Bloomington, IN 47403
Phone: (877) 312-COOK Fax: (812) 336-7167
email: busdev@cookpharmica.com
www.cookpharmica.com

Please check the categories in which your company provides the service.

- | | | | |
|--|--|---|---|
| <input checked="" type="checkbox"/> Analytical Testing | <input checked="" type="checkbox"/> Analytical Development | <input type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Process Development | <input checked="" type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Other: Mammalian cell culture services, Cell line development, Cell banking, Process Development | | | |

Contact: April Ladd, Manager of Sales & Marketing

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CORIUM INTERNATIONAL, INC.
235 Constitution Drive
Menlo Park, CA 94025
Phone: (650) 298-8255 Fax: (650) 298-8012
e-mail: debfox@coriumtech.com
www.coriumgroup.com

Please check the categories in which your company provides the service.

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Laboratory Testing | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input checked="" type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Other: (Co-Development, Contract Development, Product Re-engineering) | | | |

Contact: Deb Fox, PhD, VP Business Development, (203) 775-7124, debfox@coriumtech.com

CONTRACT PHARMACEUTICAL & Biological Development Services

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

COVANCE LABORATORIES
3301 Kinsman Blvd.
Madison, WI 53704
Phone: (888) COVANCE Fax: (608) 241-7227
e-mail: info@covance.com
www.covance.com

Please check the categories in which your company provides the service.

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input type="checkbox"/> Clinical Trial MFG/Scale-up | <input type="checkbox"/> Technology/Transfer | <input type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input type="checkbox"/> Analytical Testing & Analysis | <input type="checkbox"/> Process Development | | |

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

CYDEX, INC.
10513 West 84th Terrace
Lenexa, KS 66214
Phone: (913) 685-8850 Fax: (913) 685-8856
email: cd_info@cydexinc.com
www.cydexinc.com

Please check the categories in which your company provides the service.

- | | | | |
|--|---|---|--|
| <input type="checkbox"/> Drug Discovery | <input type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input type="checkbox"/> Stability Testing |
| <input type="checkbox"/> Clinical Trial MFG/Scale-up | <input type="checkbox"/> Technology/Transfer | <input type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input type="checkbox"/> Other: | | | |

Contact: Jose L. Rodriguez

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

DEGUSSA CORPORATION Pharma Polymers 2 Turner Place Piscataway, NJ 08854 T: (732) 981-5383 F: (732) 981-5484 E: eudragit.usa@degussa.com	DEGUSSA AG - PHARMA POLYMERS Röhm GmbH Kirschenallee 45 64293 Darmstadt, Germany T: +49-6151-18-4019 F: +49-6151-18-3520 E: eudragit.germany@degussa.com
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www.pharma-polymers.com



Please check the categories in which your company provides the service.

- | | | | |
|--|--|--|--|
| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input type="checkbox"/> Formulation Development | <input type="checkbox"/> Stability Testing |
| <input type="checkbox"/> Clinical Trial MFG/Scale-up | <input type="checkbox"/> Technology/Transfer | <input type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input type="checkbox"/> Other: | | | |

Contact: USA: Dr. Nasser Nyamweya, (732) 981-5366; Germany: Dr. Thomas Fürst, +49-6151-18-4452



CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

DEPOMED, INC.
1360 O'Brien Drive
Menlo Park, CA 94025
Phone: (650) 462-5900
www.depomedinc.com

Please check the categories in which your company provides the service.

- | | | | |
|--|---|---|--|
| <input type="checkbox"/> Drug Discovery | <input type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input type="checkbox"/> Stability Testing |
| <input type="checkbox"/> Clinical Trial MFG/Scale-up | <input type="checkbox"/> Technology/Transfer | <input type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input type="checkbox"/> Other: | | | |

Current Partnerships: Biovail, Inc., ActivBiotics, AVI Biopharma

Contact: Thadd Vargas, (650) 462-5900

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



DOW PHARMACEUTICAL SCIENCES, INC.
1330 Redwood Way
Petaluma, CA 94954
Phone: (707) 793-2600
Fax: (707) 793-0145
www.dowpharmsci.com

Please check the categories in which your company provides the service.

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input type="checkbox"/> Manufacturing | <input checked="" type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Laboratory Testing | | | |
| <input checked="" type="checkbox"/> Other: <i>In vitro</i> permeation studies; human skin, bovine eye, sheep vaginal, and porcine buccal tissues, clinical labeling (any dosage form), regulatory consulting and submissions, and dermatology and vaccine clinical trials. | | | |

Contact: Steve Smith, VP Marketing & Business Development (707) 793-2600

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



DPT LABORATORIES, LTD.
307 East Josephine Street
San Antonio, TX 78215
Phone: (210) 476-8159 - Fax: (210) 829-8733
e-mail: confidence@dptlabs.com
www.dptlabs.com



Please check the categories in which your company provides the service.

- | | | | |
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| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input checked="" type="checkbox"/> Packaging |

Contact: Roxanne Barr

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

E.I. DUPONT DE NEMOURS COMPANY
DuPont Fluorochemicals, Chestnut Run Plaza
Wilmington, DE 19880-0711
Phone: +1-302-224-0426 Fax: +1-302-224-0427 www.dupont.com/dymel

Please check the categories in which your company provides the service.

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> Drug Discovery | <input type="checkbox"/> Analytical Development | <input type="checkbox"/> Formulation Development | <input type="checkbox"/> Stability Testing |
| <input type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input checked="" type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Laboratory Testing | | | |

Contact: Mr. Joseph Creazzo, Technical Service Manager, email: Joseph.A.Creazzo@usa.dupont.com

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

EGALET
Lejrvej 37- 41 Kirke Vaerlose
DK - 3500 Vaerlose - Denmark
Phone: +45 4447 8080 Fax: +45 4447 2425
www.egalet.com

Please check the categories in which your company provides the service.

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Laboratory Testing | | | |

Contact: Ken Downie

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



ELAN DRUG TECHNOLOGIES
Monksland
Athlone, Co Westmeath, Ireland
Phone: +353 90 64 95000 Fax: +353 90 64 95807
E-mail: operations@elan.com
www.elan.com/EDT

Please check the categories in which your company provides the service.

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input checked="" type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Laboratory Testing | | | |

Contact: Sarah Carty, Business Development, +353 1 709 4046 (sarah.carty@elan.com)

CONTRACT PHARMACEUTICAL & Biological Development Services

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



EMERSON RESOURCES, INC.
600 Markley Street
Norristown, PA 19401
Phone: (610) 279-7450 Fax: (610) 292-9722
email: info@emersonresources.com
www.emersonresources.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: Walter Strathy

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



EURAND, INC.
845 Center Drive
Vandalia, OH 45377
Phone: (937) 898-9669 Fax: (937) 898-1093
email: bizdev@eurand.com
www.eurand.com

See Company Profile

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

FACET TECHNOLOGIES
112 Town Park Drive; Suite 300
Kennesaw, GA 30144
Phone: (800) 526-2387 Fax: (800) 678-6767
email: info@facettechnologies.com
www.facettechnologies.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development
 Other: Drug Delivery Device Development Engineering

Contact: Business Development

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

FERRIS PHARMACEUTICALS INC.
16W300 83rd Street
Burr Ridge, IL 60527-5848
Phone: (630) 734-7810 Fax: (630) 887-1008
email: info@ferrispolymem.com
www.FerrisCares.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Transdermal and mucosal patches/pads/inserts, with/without adhesive. Materials added to foam or gel formulas without heat/shear degradation. Quality system accredited to international requirements.

Contact: Paul Kay

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

FILTERTEK INC.
11411 Price Road
Hebron, IL 60034
Phone: (800) 648-0791 Fax: (815) 648-2929
www.filtertek.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other:

Contact: Bruce Daniels, VP Medical Marketing

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

FRESENIUS KABI DEUTSCHLAND GMBH
Else-Kröner-Straße 1
Bad Homburg, Germany 61352
Phone: +49-(0)6172 608 8406 Fax: +49-(0)6172 608 8485
e-mail: HESylation@fresenius-kabi.com
www.fresenius-kabi.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: Contact Person: Frank Feller

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

GENEREX BIOTECHNOLOGY CORPORATION
33 Harbour Square, Suite 202
Toronto, ON, Canada M5J 2G2
Phone: (800) 391-6755 Fax: (416) 364-9363
email: info@generex.com
www.generex.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Drug delivery feasibility studies

Contact: Business Development, (800) 391-6755, info@generex.com

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



Genzyme Pharmaceuticals
675 West Kendall Street - Cambridge, MA 02142
Phone: (800) 868-8208 or (617) 374-7248
Fax: (617) 768-9765
E-mail: pharmaceuticals@genzyme.com
www.genzymepharmaceuticals.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development
 Other:

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



GLATT PHARMACEUTICAL SERVICES
20 Spear Road
Ramsey, NJ 07446
Phone: (201) 825-8700
www.glattpharmaceuticals.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other:

Contact: Thomas M. Salus, (201) 818-3778

See Company Profile

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

HAUSER PHARMACEUTICAL SERVICES
6880 N. Broadway, Suite H
Denver, CO 80221
Phone: (800) 241-2322 Fax: (303) 427-4460
email: (Published in report) - website: www.inbhauser.com

Please check the categories in which your company provides the service.

- Analytical Testing Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Assist in developing Next-Generation Targeting Technologies, which include conjugations, microfluidization & nanoemulsions.
Contact: Michael Johnson

CONTRACT PHARMACEUTICAL & Biological Development Services

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

HOSPIRA, INC.
One 2 One
D988, H1 275 Northfield Drive
Lake Forest, IL 60045
Phone: (224) 212-2267 Fax: (224) 212-3210
email: one2one@hospira.com
www.hospira.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development
 Other: Parenteral Manufacturing: vials, cartridges, pre-filled syringes, IV containers, and ampoules. Impurity Identification, Lyophilization Cycle Development, and Sterilization Cycle Development.

Contact: Kevin Wess

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



HOVIONE
40 Lake Drive
East Windsor, NJ 08520
Phone: 609-918-2600 Fax: 609-918-2615
email: helloovione.com
www.hovione.com

See Company Profile

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

HYALURON CONTRACT MANUFACTURING
99 South Bedford Street
Burlington, MA 01803
Phone: (781) 270-7900 x114 Fax: (781) 270-7899
email: info4@hyaluron.com
www.hyaluron.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development
 Other:

Contact: Claudio Tracanna, (781) 270-7900 x114

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

INEOS FLUOR
The Heath, Runcorn
Cheshire, UK WA7 4QX
Phone: +44 (0) 1928 51 5525 Fax: +44 (0) 1928 51 1418
email: info@ineosfluor.com
www.ineosfluor.com • www.zephex.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing
 Other: Specialized medical propellant testing

Contact: Tim Noakes

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



INTERNATIONAL SPECIALTY PRODUCTS (ISP)
1361 Alps Road
Wayne, NJ 07470
Phone: (973) 628-4000 Fax: (973) 628-4117
email: info@ispcorp.com
www.ispcorp.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing

Contact: Ann Druffner

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

INXX, INC.
825 Third Avenue, 40th Floor
New York, NY 10022
Phone: (212) 838-1111 Fax: (212) 838-0060
e-mail: info@inxxgroup.com
www.inxxgroup.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development Other:

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

JRS PHARMA LP
2981 Route 22, Suite 1
Patterson, NY 12563
Phone: (800) 431-2457 Fax: (845) 878-3484
email: info@jrpharma.com
www.jrpharma.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing
 Other: Excipients, Binders, Disintegrants, Lubricant, High Functionality Excipient

Contact: Renee Mill

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

LANCASTER LABORATORIES, INC.
2425 New Holland Pike
Lancaster, PA 17601
Phone: (717) 656-2300 Fax: (717) 656-3772
email: pha@lancasterlabs.com
www.lancasterlabs.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing

Contact: Doug Hostetter

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



LIPOCINE INC.
675 Arapen Drive, Suite 202
Salt Lake City, UT 84103
Phone: (801) 994-87383 Fax: (801) 994-7388
email: GTS@lipocine.com
www.lipocine.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: Jerry Simmons

CONTRACT PHARMACEUTICAL & Biological Development Services

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

LOPAREX
7700 Griffin Way
Willowbrook, IL 60527
Phone: (630) 734-2700 Fax: (630) 734-2690
email: info@loporex.com
www.loporex.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other:

Contact: Steve Saunders, Marketing Manager

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

LTS LOHMANN THERAPIE-SYSTEME AG
Lohmannstr. 2
Andernach, Germany 56626
Phone: +49 (0) 2632 99 - 0 Fax: +49 (0) 2632 99 - 2200
email: ltsgroup@ltslohmann.de
Website: www.ltslohmann.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Testing Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other:

Contact: Klaudia Haczekiewicz

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

LYOPHILIZATION TECHNOLOGY, INC.
30 Indian Drive
Ivyland, PA 18974
Phone: (215) 396-8373 Fax: (215) 396-8375
email: frzdry@lyo-t.com
www.lyotechnology.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Lyophilization, Thermal Analysis Services, Validation-Manufacturing, Development Services, Process Engineering, Process Optimization, Clinical Material Preparation, Finished Product Testing, Consulting, Troubleshooting, Quality and Regulatory Services, On-site Training

Contact: Christine Adams

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

MACROMED, INC.
2417 S. 3850W, Suite 150
West Valley City, UT 84120
T: (801) 433-2560 Fax: (801) 433-2561
Website: www.macromed.com
e-mail: macromed@macromed.com - www.macromed.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Drug Delivery

Contact: Alex S. Kim, Executive Vice President, (801) 433-2560

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



MEDPHARM LTD
Unit 3/Chancellor Court, 50 Occam Road
Surrey Research Park
Guildford, Surrey, United Kingdom GU2 7YN
Phone: +44 1483 457 556 Fax: +44 1483 447742
email: busdev@medpharm.co.uk
www.medpharm.co.uk

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Laboratory Testing Packaging
 Other: Mathematical modeling of drug absorption, predictive model for formulation optimization and screening, and in vitro efficacy and performance testing.

Contact: Dr. Roley Davis, Business Development Manager

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

MERRION PHARMACEUTICALS, INC.
219 Racine Drive, Suite D
Wilmington, NC 28403-8702
Phone: (910) 799-1847 Fax: (910) 395-1843
email: info@merrionpharma.com
www.merrionpharma.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: Thomas W. Leonard, PhD, VP &CSO

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

METRICS, INC.
1240 Sugg Parkway
Greenville, North Carolina
Phone: (252) 752-3800 Fax: (252) 758-8522
email: marketing@metricsinc.com
www.metricsinc.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development

Contact: Jeffrey Basham, jeff@metricsinc.com

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

MGLAS AG
Otto-Liebmann-Strasse 2
Münnerstadt, Germany 97702
Phone: +49(0)9733 808-0 Fax: +49(0)9733 808-160
email: info@mglas.de
www.mglas.de

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: Mr. Wolfgang Heidl, +49(0)9733 808-125

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

MICRON TECHNOLOGIES INC.
435 Creamery Way
Exton, PA 19341
Phone: (610) 425-5100 Fax: (610) 425-5104
www.microntech.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Analytical Testing & Analysis

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

MIKRON ASSEMBLY TECHNOLOGY
562 Sable Blvd
Aurora, CO 80015
Phone: (303) 364-5222 Fax: (720) 858-2198
e-mail: mde@mikron.com
www.mikron.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Capital Equipment for Medical Device Assembly and Testing

CONTRACT PHARMACEUTICAL & Biological Development Services

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

MISTRAL PHARMA INC.
2101 Halpern
St-Laurent, Quebec H4S 1S3 - Canada
Phone: (514) 920-0909 Fax: (514) 920-0404
www.mistralpharma.com
e-mail: info@mistralpharma.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: Bertrand Bolduc

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

MYLAN TECHNOLOGIES, INC.
110 Lake Street
St. Albans, Vermont 05478
Phone: (800) 532-5226 (U.S.) International: 1-802-527-7792
Fax: (802) 527-8151
email: mtiinfo@mylantech.com
www.mylantech.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

NASTECH PHARMACEUTICAL COMPANY INC.
3830 Monte Villa Parkway
Bothell, WA 98021
Phone: (425) 908-3600 Fax: (425) 908-3650
www.nastech.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other:

Contact: Ed Bell, Director, Investor Relations, (425) 908-3639, ebell@nastech.com

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

NEXT BREATH LLC
1450 South Rolling Road
Baltimore, MD 21227
Phone: (410) 455-5904
www.nextbreath.net

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Nasal, Pulmonary Development, & Analytical Testing

Contact: Julie Suman, PhD, (410) 455-5904

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



NOF CORPORATION, DDS DEVELOPMENT DIVISION
20-3, 4-Chome Ebisu, Shibuya-ku
Tokyo, Japan 150-6019
Phone: +81-3-5424-6741 Fax: +81-3-5424-6769
email: ddsinfo@nof.co.jp - www.nof.co.jp/dds

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other:

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



NORWICH PHARMACEUTICALS, INC.
6826 State Highway 12
Norwich, NY 13815
Phone: (607) 335-3000 Fax: (607) 335-3100
email: info@norwichpharma.com
www.norwichpharma.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing Other: Full analytical testing, full microbial testing, full stability testing and storage

Contact: Bob Calabro

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

OAKWOOD LABORATORIES, L.L.C.
7670 First Place, Suite A
Oakwood Village, OH 44146
Phone: (440) 359-0000 Fax: (440) 359-0001
email: info@oakwoodlabs.com
www.Oakwoodlabs.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing

Contact: Mark T. Smith, President

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

OCTOPLUS N.C.
Zernikedreef 12
2333 CL Leiden Netherlands
Phone: +31 71 5244044 Fax: +31 71 5244043
email: info@octoplus.nl
www.octoplus.nl

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Special expertise in pharmaceutical development & cGMP clinical trial manufacturing of biopharmaceuticals and poorly soluble compounds.

Contact: Gerben Moolhuizen, Chief Business Officer, +31 71 5244044

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

OTSUKA PHARMACEUTICAL CO., LTD. - ODPI DIVISION
Kitahama TNK Bldg. 9F, 1-7-1 Doshomachi, Chuo-ku
Osaka, Japan 5410045
Phone: +81-6-6231-7158 Fax: +81-6-6231-7161
e-mail: odpiweb@otsuka.jp
www.otsuka-odpi.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Optimization of compound formulation for ODPI inhalation technology.

Contact: Koji Yoneda

CONTRACT PHARMACEUTICAL & Biological Development Services

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

OWEN MUMFORD, LTD.
 Brook Hill Woodstock
 Oxford, OX20 1TU - England
 Phone: +44 (0) 1993 812021 Fax: +44 (0) 1993 813473
 e-mail: drugdelivery@owenmumford.co.uk
 www.omdrugdelivery.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing

Contact: Sarah Massey

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

PARTICLE AND COATING TECHNOLOGIES, INC.
 5445 Highland Park Drive
 St. Louis, MO 63110
 Phone: (314) 535-1516 Fax: (314) 535-1514
 email: rsparks@pctincusa.com
 www.pctincusa.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing

Contact: Robert Sparks

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

PATHEON INC.
 7070 Mississauga Road, Suite 350
 Mississauga, ON, Canada L5N 7J8
 Phone: (905) 821-4001 Fax: (905) 812-6709
 email: patheon@patheon.com
 www.patheon.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: High-potency manufacturing, Controlled Release products, Controlled substances, Over-encapsulation, Lyophilization, Sterile injectables, Nasal Spray delivery

Contact: Pam Shiro

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

PAULAU CORPORATION
 105 Melrich Road
 Cranbury, NJ 08512
 Phone: (609) 395-8844 Fax: (609) 395-8850
 email: amartello@paulaur.com
 www.paulaur.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing

Contact: Alex Martello

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

PENWEST PHARMACEUTICALS CO.
 39 Old Ridgebury Road, Suite 11
 Danbury, CT 06810
 Phone: (203) 796-3700 Fax: (203) 794-1573
 e-mail: Diane.dalessandro@penwest.com
 www.penwest.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing Other: Out-licensing proprietary drug delivery technologies for product formulations

Contact: Diane D'Alessandro

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

PFEIFFER OF AMERICA
 742 Alexander Road, Suite 201
 Princeton, New Jersey 08540
 Phone: (609) 987-0223 Fax: (609) 987-1511
 e-mail: info@Pfeiffer-group.com
 www.pfeiffer-group.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Mechanical and electronic devices for multidose and unitdose drug dispensing applications, for use in nasal, oral and topical drug administration.

Contact: Richard Sica

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

PHARMACEUTICAL PROFILES
 Mere Way, Ruddington Fields, Ruddington
 Nottingham, NG11 6JS, United Kingdom
 Phone: +44 115 974 9000
 www.pharmprofiles.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other:
 Current Partnerships:

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



PHARMAFORM L.L.C.
 11400 Burnet Road, Suite 4010
 Austin, TX 78758
 Phone: (512) 834-0449 Fax: (512) 834-2105
 www.pharmaform.com

Please check the categories in which your company provides the service.

- Laboratory Testing Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: Michael M. Crowley, PhD



CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

PHARMATEK LABORATORIES INC.
 5626 Oberlin Drive, Suite 100
 San Diego, CA 92121
 Phone: (858) 587-8783 Fax: (858) 587-8771
 email: info@pharmatek.com
 www.pharmatek.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing

Contact: Elizabeth Hickman, ehickman@pharmatek.com

CONTRACT PHARMACEUTICAL & Biological Development Services

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

P11 (PHARMACEUTICS INTERNATIONAL, INC.)
10819 Gilroy Road
Hunt Valley, MD 21031
Phone: (410) 584-0001 Fax: (410) 584-0007
email: sjking@pharm-int.com - www.pharm-int.com

Please check the categories in which your company provides the service.

- Analytical Testing Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Drug Discovery Manufacturing Packaging
 Other: Pre-formulation, Bio-Imaging, Aseptic fill

Contact: Steve King, Sr. VP

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

PRECISION PHARMA SERVICES
155 Duryea Road
Melville, New York 11747
T: 631-845-6244 F: 631-752-7354
www.precisionpharma.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development
 Other: Aseptic parenteral manufacturing

Contact: Neil L. Coles

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

POLYGENETICS, INC.
PO Box 33115
Lost Gatos, CA 95031
Phone: 408-356-1815 Fax: 408-356-7094
e-mail: J-Benson@polygenetics.com
www.polygenetics.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other:

Contact: Dr. Dietmar Katinger

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



REMMELE ENGINEERING - AUTOMATION DIVISION
677 Transfer Road
St. Paul, MN 55114
Phone: (651) 643-3700 Fax: (651) 642-5665
email: customequipment@remmele.com
www.remmeleautomation.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing
 Other: Product Development, Pilot & Production Lines, Engineering Services

Contact: Brian Raehsler



CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

POLY MUN SCIENTIFIC GMBH
Nussdorfer Laende 11
Vienna, Austria A-1190
Phone: +43-1-36006-6203 Fax: +43-1-3697615
e-mail: office@polymun.com
www.polymun.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other:

Contact: Dr. Dietmar Katinger

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

RESPIRONICS RESPIRATORY DRUG DELIVERY
41 Canfield Road
Cedar Grove, NJ 07009
Phone: (800) 962-1266 Fax: (724) 387- 5270
e-mail: mark.elphick@respironics.com
www.respironics.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Aerosol Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing

Contact: Mark Elphick

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

POLYPEPTIDE LABORATORIES
365 Maple Avenue
Torrance, California 90503
Phone: (800) 770-0557 or (310) 782-3569
Fax: (310) 782-3645
www.polypeptide.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development Other: Peptide API Manufacturing

Contact: Jane Salik, (310) 782-3569

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



REXAM PHARMA
600 Deerfield Parkway
Buffalo Grove, IL 60089
Phone: (847) 541-9700 Fax: (847) 541-9201
e-mail: mailboxpharma@rexam.com
www.rexam.com/pharma

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing

Contact: Robyn Miller

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

PRACS INSTITUTE, LTD.
4801 Amber Valley Parkway
Fargo, North Dakota 58104
Phone: (701) 239-4750 Fax: (701) 239-4955
Email: pracsbd@pracs.com
Website: www.pracs.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development
 Other: Clinical Research Services

Contact: John Pottier, Director, Business Development

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

SCIARRA LABORATORIES, INC.
485-09 S. Broadway
Hicksville, NY 11801
Phone: (516) 933-7853 Fax: (516) 933-7807
email: sciarralabs@att.net
www.sciarralabs.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: John J. Sciarra

CONTRACT PHARMACEUTICAL & Biological Development Services

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



SCOLR Pharma, Inc.

SCOLR Pharma, Inc.
3625 132nd Avenue SE 400
Bellevue, WA 98006
Phone: (425) 373-0171 Fax: (425)-373-0181
email: info@scolr.com & productdevelopment@scolr.com
www.scolr.com



Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: Alan Mitchel, Senior VP, Business & Legal Affairs, amitchel@scolr.com

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

SMITHS MEDICAL ASD, INC,
2231 Rutherford Road
Carlsbad, CA 92008
Phone: (866) 286-6226 Fax: (760) 929-0147
www.smiths-medical.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Safety Devices for Injection, Syringe Pumps & Accessories for Infusion

Contact: Mark Baumgartner, Business Development Manager

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



SOLIQS
Abbott GmbH & Co. KG
Knollstrasse 50
67061 Ludwigshafen, Germany
Phone: (877) 765-4771; +49 621 589 2554
email: welcome@solisqs.com
www.solisqs.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: Bryan Wiesner (847) 937-9665, Sigrun Reinwald (847) 935-2311 or Jon Lewis (+49 621 589 2427)

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

SOTAX CORPORATION
411 Caredean Dr Suite A
Horsham, PA 19044
Phone: (215) 442-1500 Fax: (215) 442-1514
email: sotaxusa@sotax.com
www.sotax.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Laboratory Testing Packaging
 Other: Safety Devices for Injection, Syringe Pumps & Accessories for Infusion

Contact: Marc Finn, marc.finn@sotax.com, (215) 442-1500

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



SPI PHARMA
503, Carr Road
Wilmington, Delaware 19809
Phone: (302) 576-8554
Fax: (302) 576-8567
www.spipharma.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: Colleen Blackney

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

SPRAY ANALYSIS AND RESEARCH SERVICES
P.O. Box 7900

Wheaton, IL 60189-7900
Phone: (800) 95-Spray Fax: (630) 260-7593
e-mail: info@sprayconsultants.com
www.sprayconsultants.com

Please check the categories in which your company provides the service.

- Drug Discovery Laboratory Testing Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging

Contact: Elizabeth Kucharz

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

SRI INTERNATIONAL
333 Ravenswood Avenue
Menlo Park, CA 94025
Phone: (650) 859-3000
email: biosciences@sri.com
www.sri.com/biosciences

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Laboratory Testing Packaging
 Other: We provide full drug discovery and preclinical development services, "from idea to IND™."

Contact: biosciences@sri.com

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

STEPAN COMPANY
100 West Hunter Avenue
Maywood, NJ 07607
Phone: (201) 712-7642 Fax: (201) 712-7648
email: food.health@stepan.com
www.stepan.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Analytical Testing & Analysis Process Development

Contact: James M. Butterwick

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

TEXMAC INC.
3001 Stafford Drive
Charlotte, NC 28208
Phone: (704) 393-6555 Fax: (704) 392-1621
email: yosaka@texmacusa.com
www.texmac.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Other: Machinery distribution - Transdermal patch film coating - Hirano Coating machine distribution

Contact: Yashi Osaka

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

TUNNELL CONSULTING, INC.
900 East Eighth Avenue, Suite 106
King of Prussia, PA 19406
Phone: (610) 337-0820 Fax: (610) 337-1884
e-mail: tunnell@tunnellconsulting.com
www.tunnellconsulting.com

Please check the categories in which your company provides the service.

- Drug Discovery Analytical Development Formulation Development Stability Testing
 Clinical Trial MFG/Scale-up Technology/Transfer Manufacturing Packaging
 Laboratory Testing

Contact: Stephanie A. Haase

CONTRACT PHARMACEUTICAL & Biological Development Services

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

UNIVERSITY OF IOWA/COLLEGE OF PHARMACY/
CENTER FOR ADVANCED DRUG DEVELOPMENT
100 Oakdale Campus, Room 1 PRL
Iowa City, IA 52242-5000
Phone: (319) 335-4096 Fax: (319) 335-4374
e-mail: alta-botha@uiowa.edu
www.pharmacy.uiowa.edu/service/index.htm

Please check the categories in which your company provides the service.

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Laboratory Testing | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input checked="" type="checkbox"/> Packaging |

Other: Manufacturing of tablets, capsules, injectables and lyophilized drug products, clinical trial blinding or over-encapsulation; capable of handling potent material, licensed to handle controlled substances; method development, validation according to ICH guidelines, development of dissolution procedures and validation of the analytical method, preformulation, development of formulations, API, excipients and drug product testing according to official monographs

Contact: Alta Botha, DSc

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

UPM PHARMACEUTICALS, INC.
6200 Seaforth Street
Baltimore, Maryland 21224
Phone: (410) 843-3738 Fax: (410) 633-4438
email: info@upm-inc.com
www.upm-inc.com

Please check the categories in which your company provides the service.

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input checked="" type="checkbox"/> Packaging |

Contact: Rich Ryzenga

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

VALOIS
50 Avenue de l'Europe
Marly-le-Roi, France 78164
Phone: +33 (0) 1 39 17 20 20 Fax: +33 (0) 1 39 58 12 98
www.valoispharma.com

Please check the categories in which your company provides the service.

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input type="checkbox"/> Manufacturing | <input checked="" type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Laboratory Testing | | | |

Contact: Guillaume Brouet - Lab Manager

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

VECTURA LIMITED
One Prospect West
Chippenham
Wiltshire, SN14 6FH
United Kingdom
Phone: (+)44 (0)1249 667667
www.vectura.co.uk

Please check the categories in which your company provides the service.

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Other: Inhalers | | | |
| <input checked="" type="checkbox"/> Current Partnerships: Various | | | |

Contact: Doug Smalley, Director of Business Development, (+) 44 (0) 1249 667667

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

VETTER PHARMA-FERTIGUNG GMBH & CO. KG
Schuetzenstr. 87
Ravensburg, Germany 88212
Phone: +49 751 3700 0 Fax: +49 751 3700 4000
email: info@vetter-pharma.com
www.vetter-pharma.com

Please check the categories in which your company provides the service.

- | | | | |
|---|---|---|---|
| <input type="checkbox"/> Drug Discovery | <input type="checkbox"/> Analytical Development | <input type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input checked="" type="checkbox"/> Packaging |

Contact: Suzan Frohmann

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

WEST PHARMACEUTICAL SERVICES, INC.
101 Grodon Drive
Lionville, PA 19341
Phone: (800) 231-3000 Fax: (610) 594-3000
www.westpharma.com

Please check the categories in which your company provides the service.

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> Drug Discovery | <input type="checkbox"/> Analytical Development | <input type="checkbox"/> Formulation Development | <input type="checkbox"/> Stability Testing |
| <input type="checkbox"/> Clinical Trial MFG/Scale-up | <input type="checkbox"/> Technology/Transfer | <input type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input type="checkbox"/> Analytical Testing & Analysis | <input type="checkbox"/> Process Development | | |
- Other:

Prefillable Syringe Systems

Custom Injection Molding for drug delivery systems: Mike.Treadaway@techgroup.com

Package Testing: West Monarch Analytical Laboratories, jennifer.riter@westpharma.com

Reconstitution Systems: Medimop Projects Ltd; graham.reynolds@westpharma.com

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



XCELIENCE, LLC
5415 West Laurel Street
Tampa, FL 33607
Phone: (813) 286-0404 Fax: (813) 286-1105
randall.guthrie@xcelience.com
www.Xcelience.com

Please check the categories in which your company provides the service.

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input checked="" type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Laboratory Testing | <input type="checkbox"/> Process Development | | |
- Other:

Contact: Randall H. Guthrie, randall.guthrie@xcelience.com

See Company Profile

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

XEMPLAR PHARMACEUTICALS, LLC
200 Rigenbach Road
Fall River, MA 02720
Phone: (508) 676-6726 Fax: (508) 676-6546
email: charles.eck@xemplarpharm.com
www.xemplarpharm.com

Please check the categories in which your company provides the service.

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Technology/Transfer | <input type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input checked="" type="checkbox"/> Analytical Testing & Analysis | <input checked="" type="checkbox"/> Process Development | | |
- Other: Aerosol Delivery Systems, Double Blind Masking Devices

Contact: Charles R. Eck

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES



YPSOMED AG
Brunnmattstrasse 6
Burgdorf, Switzerland 3401
T: +41 34 424 41 11 Fax: +41 34 424 41 22
www.ypsomed.com
e-mail: info@ypsomed.com

Please check the categories in which your company provides the service.

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> Drug Discovery | <input type="checkbox"/> Analytical Development | <input type="checkbox"/> Formulation Development | <input type="checkbox"/> Stability Testing |
| <input type="checkbox"/> Clinical Trial MFG/Scale-up | <input type="checkbox"/> Technology/Transfer | <input checked="" type="checkbox"/> Manufacturing | <input checked="" type="checkbox"/> Packaging |
| <input type="checkbox"/> Analytical Testing & Analysis | <input type="checkbox"/> Process Development | | |
- Other:

Contact: Ian Thompson, Head of Business Development

CONTRACT PHARMACEUTICAL & BIOLOGICAL DEVELOPMENT SERVICES

XCELTRIS LABS LIMITED
Xceltris Corporate Tower, Near Parimal Railway Crossing
Ahmedabad, Gujarat 380006 - India
Phone: +91-79-66311114 Fax: +91-79-26461389
e-mail: nitin.purkar@xceltrislabs.com
www.www.xceltrislabs.com

Please check the categories in which your company provides the service.

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Drug Discovery | <input checked="" type="checkbox"/> Analytical Development | <input checked="" type="checkbox"/> Formulation Development | <input checked="" type="checkbox"/> Stability Testing |
| <input checked="" type="checkbox"/> Clinical Trial MFG/Scale-up | <input checked="" type="checkbox"/> Analytical Testing | <input checked="" type="checkbox"/> Manufacturing | <input type="checkbox"/> Packaging |
| <input type="checkbox"/> Laboratory Testing | | | |

Contact: Nitin Purkar (nitin.purkar@xceltrislabs.com, Cell:+1-732-379-9303)

MACHINERY & LABORATORY Equipment and Software

MACHINERY & LABORATORY EQUIPMENT AND SOFTWARE

ACTIVAERO AMERICA, INC
5653 Morlich Square
Dublin, Ohio 43017-9684
Phone: (614) 761-3555 Fax: (614) 761-3505
email: info@activaero.com
www.activaero.com

Type of Software & Brand Name:

- Completely equipped laboratory for aerosol and device characterizations
- Laser Diffraction, Impactors (Andersen, NGI)

Application(s):

- Particle sizing
- Output measurements
- Lifetime tests
- Validations

Contact: William C. Zimlich, CEO

MACHINERY & LABORATORY EQUIPMENT AND SOFTWARE

THE AEGIS TECHNOLOGIES GROUP
13062 Highway 290 West
Austin, TX 78737
Phone: (800) 647-2275 Fax: (512) 615-3574
email: sales@aegisxcellon.com
www.aegisxcellon.com

Type of Software & Brand Name:

ascIXtreme

Application(s):

ascIXtreme is a modeling, execution and analysis environment for continuous dynamic systems and processes. Versatile and powerful enough to address the most challenging simulation problems.

ascIXtreme

ascIXtreme is a powerful application for fast, efficient simulation execution and analysis. It allows users to conduct sophisticated model analysis without having to be a model developer.

Contact: Mark Green

MACHINERY & LABORATORY EQUIPMENT AND SOFTWARE

ARIZONA INSTRUMENT
1912 West 4th Street
Tempe, AZ 85281
Phone: (602) 470-1414 Fax: (480) 804-0656
email: azi@azic.com
www.azic.com

Type & Brand Name of Instrument/System:

Moisture/Solids/Ash Analyzer - Computrac MAX, Computrac Vappor Pro

Application:

Used in R&D, quality control, and industrial process control. Durable and easy to use, these analyzers are equally suitable for production floor or laboratory environments.

Contact: Julie Driver or Terri Thomas

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CAPSUGEL

CAPSUGEL
535 North Emerald Road
Greenwood, SC 29646
Phone: (888) 783-6361 Fax: (888) 783-6360
email: Glenda.oliver-smith@pfizer.com
www.capsugel.com

Type & Brand Name of Instrument/System:

Xcelodose®

Application:

Precision micro-filling system eliminates the need for formulation or excipients for first-in-man trials. Precise from 100 micrograms to 100 milligrams with an RSD of less than 2%

CFS 1000

Liquid filling and sealing system for up to 1200 capsules per hour for R&D

Profill 300

Bench-top capsule filling system for up to 7,000 capsules per hour

Ultra 8 II

Semi-automatic production scale capsule filling machine

Contact: Glenda Oliver-Smith

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EMERSON RESOURCES, INC.
600 Markley Street
Norristown, PA 19401
Phone: (610) 279-7450 Fax: (610) 292-9722
email: info@emersonresources.com
www.emersonresources.com

Type & Brand Name of Instrument/System:

Formulation Development

Fluid Bed Processors
Planetary Mixers
High Shear Granulators
V-Blenders
Instrumented Tablet Presses
High Speed Tableting Capabilities
Bi-Layer Tableting Capabilities
Benchtop Encapsulators
Automated Encapsulators
Powder, Bead, and Liquid Encapsulation Capabilities
Side-vented Coating Pans
Conventional Coating Pan
Extrusion/Spheronization Equipment
Conical and Hammer Mills
Vibratory Sieves
Sachet Powder Filler
Packaging Capabilities
Bottle Filler
Induction Sealer
Foil Sealer
10 Gallon Jacketed Kettle

Application:

Analytical Methods Development and Testing

UV Spectrophotometer
IR Spectrophotometer
Texture Analyzer
Sonic Sifter
Moisture Balance
Karl Fisher Titrator
Disintegration Baths
Dissolution Apparatus with Autosampler
Surface Analyzer
Stereo Microscope with Camera
Automated Tablet Characterization Instrument
Colorimeter
TOC Instrumentation
Stability Chambers
HPLC Equipped with the following detectors:
-Diode Array
-Variable UV Wavelength
-Refractive Index
-Electrochemical

Differential Scanning Calorimeter

Contact: Walter Strathy

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Flemington, NJ 08822
Phone: (908) 788-4666 Fax: (908) 788-4667
email: sales.usa@erweka.com
www.erweka.com

Type & Brand Name of Instrument/System:	Application:
Inhaler Testers	MDI and DPI models consisting of Anderson Type Cascade, Astra Draco Multi-Stage Liquid Impinger, as well as Single Stage Impinger's are available, in accordance with all testing procedures within the USP.
DT Series Dissolution Testers	Complete range of apparatus in two versions, standard High Head and Low Head model designed to reduce evaporation loss. Complete on-line & off-line systems, in addition to integration with external HPLC units.
ZT Series Disintegration Testers	From manually controlled units to fully automated systems, available with either single or multiple test baskets, either 6 cell and 3 cell test basket configurations.
TBH Series & MC Series Tablet Tester	Commencing with a hand-held unit designed for hardness measurement; up to fully automated units which can be integrated with an external computer for compliance with CFR 21 Part 11.
Friability Testers	Three different models, available with either a single or dual drum configuration. The TA operates with a fixed speed of 25 RPM, whereas the TAR and TDR is variable from 20-4000 RPM.
CWS Check Weigher	Modular check weighing system permits up to 50 different test samples. Unit automatically individualizes the samples and transport them to a balance, then displays & transports samples to a container.
Powder and Granulate Tester	Three different models designed to offer measurement of flow time according to specified amount (weight or volume) or amount (weight).
Suppository Testers	Four different units designed to measure sample hardness and disintegration. Single and multiple test cells are available.
All Purpose Drive	The AR 402 is the drive system which permits the use of twenty-one different attachments. Some modules include wet or dry granulator, planetary stirrer, sieve analysis, pelletizer, homogenizer & tablet press.
Fluid Bed Tester	Lab unit designed to accommodate all aspects of fluidizing (i.e. powder, crystals, granules, extrudates, pellets, etc.) Two sizes are 50-300 grams, as well as 250-1000 grams.
VDT Blister Tester	Vacuum blister density checker permitting samples in an external pressurized container (-1200 to -800 mbar) which is then filled with liquid; then tested within a range of up to 99 minutes and 50 seconds.
Contact: JR Alicea	

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FLEXICON AMERICA INC.
156 College Street
Burlington, VT 05401
Phone: (802) 657-3232 Fax: (802) 657-3202
www.flexiconamerica.com

Type & Brand Name of Instrument/System:	Application:
Peristaltic Liquid Filling Dispenser	BioPharma small to medium scale liquid fillings
Liquid filling machinery: semi-automatic to fully automatic	Liquid filling for labs, R&D pilot and production manufacturing.

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HORIBA INSTRUMENTS, INC.
17671 Armstrong Avenue
Irvine, CA 92614
Phone: (949) 250-4811 Fax: (949) 250-0924
email: labinfo@horiba.com
www.horiba.com

Type & Brand Name of Instrument/System:	Application:
Particle Size Analyzer - LA 930	Full range particle size analyzer, measuring dispersions or dry powders from 0.02-2000 microns, with complete accuracy and resolution, with a full range of accessories.
Particle Size Analyzer - LB 550	DLS particle size analyzer measuring 1nm - 6 microns over a wide range of concentrations. Accurate measurement of distribution shape and modes without operator input.
Contact: Duncan Griffiths	

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IMAGETHERM
142 North Road
Sudbury, MA 01776
Phone: (978) 443-1989 Fax: (978) 443-8942
email: info@imagetherm.com
www.imagetherm.com

Type & Brand Name of Instrument/System:	Application:
SprayVIEW® Measurement System	Automated measurement system for pharmaceutical drug nasal sprays, metered dose inhalers and oral spray for the testing of spray pattern and plume geometry.
SprayVIEW® Actuation System	Automated actuation system for pharmaceutical drug nasal sprays, metered dose inhalers and oral spray for automated device actuation.
Contact: Dino Farina	

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INNOVASYSTEMS, INC.
840 Lenola Road, Unit 8
Moorestown, NJ 08057
Phone: (856) 722-0410 Fax: (856) 722-0042
email: info@InnovaSystemsInc.com
www.innovasystems.com

Type & Brand Name of Instrument/System:	Application:
- MightyRunt Actuation Station, Force-Controlled - NSP VA Actuation Station, Velocity-Controlled - PAWS - Pump Actuation & Weight Station - OSA - Optical Spray Analyzer - NSP DW - Dose Weight Station - NSP DWC - Dose Weight with Collection Station	Automation Supporting Testing of Nasal Spray Products, Dosing Devices and Ophthalmic Solutions to include: <ul style="list-style-type: none"> • Wasting • Droplet Size • Dose Weights/Content Uniformity • Spray Pattern • Plume Geometry
MDI AC2 - Automated Canister Cutter MDI AS - Actuation, Collection Station MDI FD-10 - Fire-Down Station MDI DW - Dose Weight Station	Automation to Support Testing of Inhalers to include: <ul style="list-style-type: none"> • Cutting Cans - Total Can Content • Wasting • Priming/Repriming • Tail-Off Profile • Leak Rate • Particle Sizing • Dose Weights
Automated Extraction Station	Automation to Support Sample Preparation of Ointments, Creams and Pastes. Weighs, dispenses sample to target weight, dilutes, caps and mixes in preparation for analysis.
Type of Software & Brand Name:	Application(s):
EZ Spray™	Low-cost alternative to optical spray pattern analysis via easy-to-use, desktop scanner based technology. EZ Spray™ scans patterns on TLC plates and computes FDA-recommended Spray Pattern Test parameters.
Contact: Loren Wagner	

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LCI CORPORATION
PO Box 16348
Charlotte, NC 28297-8804
Phone: (704) 394-8341 Fax: (704) 392-8507
email: info@lciCorp.com
www.lciCorp.com

Type & Brand Name of Instrument/System:

Application:

Multi Granulator MG-55

Allows formulation/product developers to evaluate three low pressure granulation techniques—dome, radial, and axial extrusion—and determine which one best suits their product.

Laboratory Marumerizer QJ-230T

Easily evaluates the effectiveness of spherization on extruded products; converts moist cylindrical extruded granules into smooth, uniform spheres in a variety of applications.

Contact: Sam Habash

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MALVERN INSTRUMENTS
10 Southville Road
Southborough, MA 01772
Phone: (508) 480-0200 Fax: (508) 460-9692
email: info@malvernusa.com
www.malverninstruments.com

Type & Brand Name of Instrument/System:

Application:

Laser Diffraction Systems, Mastersizer 2000, Spraytec, Also on-line particle sizing with Insittec

For particle size in solids, liquids, slurries and aerosols

Pipeline Technologies/Platforms

Application(s):

Zeta Potential and sub-micron particle size, Zetasizer Nano

For comprehensive analysis of suspensions and emulsions

Contact: Mansa Fraser, (508) 480-0200

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MISTRAL PHARMA INC.
2101 Halpern
St-Laurent, Quebec H4S 1S3 - Canada
Phone: (514) 920-0909 Fax: (514) 920-0404
www.mistralpharma.com
e-mail: info@mistralpharma.com

Type & Brand Name of Instrument/System:

Application:

Dissolution Tester – VARIAN/SOTAX

Test drug release from solid dosage forms at different predetermined time intervals. Different methods can be used: paddle or baskets depending of tablet design. Dissolution bath is coupled to a pump (for sample withdrawal) and then to a UV/visible spectrophotometer.

Disintegration Tester – Globe Pharma

Tablets are subjected to up and down movement at a constant frequency rate (29-32 cycles/min) and time for complete disintegration is recorded.

Hardnes Tester (Pharma Test)

Test tablet hardness. Pressure parallel to tab diameter is applied until tab breaks.

Friabilator (Globe Pharma)

Test tab friability. Tablets are subjected to an upward circular motion & downward drops (25/min). Differences of weight (before and after) should not exceed 1%.

Infrared Balance (Mettler Toledo)

Test humidity of powders & granules.

Tap Density Tester (Globe Pharma)

For powders & granules. To test tapped density. Known mass is placed in a cylinder and volume is measured. Then cylinder is subjected to predetermined taps (vertical) process is continued till volume no longer changes.

Sonic Sifter (ATM Corporation)

To measure particle size distribution. Powders/granules are placed on top of a series of screens. The set is subjected to vibration & shocks

Contact: Alain Desjardins

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NATOLI ENGINEERING
28 Research Park Circle
St. Charles, Missouri 63304
Phone: (636) 926-8900 Fax: (636) 926-8910
email: sales@natoli.com
www.natoli.com

Type & Brand Name of Instrument/System:

Application:

Manufacturing and Tablet Compression, Tablet Presses, and Replacement Parts

Production & Quality Control

Type of Software & Brand Name:

Application(s):

Tablet CAD

Tablet design

Tool Management II (TMI) New Version 4.1

Inspections & tool record keeping

Contact: Dale Natoli

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PARTICLE AND COATING TECHNOLOGIES, INC.
5445 Highland Park Drive
St. Louis, MO 63110
Phone: (314) 535-1516 Fax: (314) 535-1514
email: rsparks@pctincusa.com
www.pctincusa.com

Type & Brand Name of Instrument/System:

Application:

Micro-Capacity Spray Dryer

Can dry samples from 25 mg. to grams. Special handling for highly unstable molecules (peptides, hormones, etc.) On market early 2006.

Mini-Fluid-Bed

Successful in coating samples down to 5 grams. On market early 2006.

Contact: Robert Sparks, email: rsparks@pctincusa.com

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PHARMATEK LABORATORIES INC.
5626 Oberlin Drive, Suite 100
San Diego, CA 92121
Phone: (858) 587-8783 Fax: (858) 587-8771
email: info@pharmatek.com
www.pharmatek.com

Type & Brand Name of Instrument/System:

Application:

Hot Road Chemistry® (HRC) Formulation Screening Kit

Designed to solubilize even the most difficult drug compounds for *in vivo* animal testing. The kit contains eight non-toxic, FDA-approved, orally available formulations.

Contact: Elizabeth Hickman, ehickman@pharmatek.com, (858) 587-8783

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RESPIRONICS RESPIRATORY DRUG DELIVERY
41 Canfield Road
Cedar Grove, NJ 07009
Phone: (800) 962-1266 Fax: (724) 387- 5270
e-mail: mark.elphick@respiroics.com
www.respiroics.com

Type & Brand Name of Instrument/System:

Application:

Adaptive Aerosol Delivery (AAD)

AAD was designed to deliver the right amount of medication to the patient regardless of size or breathing patterns. It monitors a patient's breathing pattern throughout the treatment. I-neb AAD delivers the medication only when a patient breathes in. This timing gives the medication the best opportunity to reach deep into the lungs and greatly reduces exhaled or escaped medication, minimizing waste of drug to the environment. By monitoring breathing patterns, the I-neb AAD system can also provide valuable patient feedback to ensure optimal patient technique and compliance to therapy.

I-neb Target Inhalation Mode (TIM)

In TIM mode, the patient is guided to a slow and deep inspiration. With each breath, the patient is trained to lengthen inspiration via a vibration feedback. The TIM mode is based on the assumption that aerosol deposition in the lungs is mainly dependent on airway geometry, particle size, and the patient's breathing pattern, and of these three variables, particle size and breathing pattern are variables that can be altered to increase the deposition of drug in the lungs.

I-neb Insight

I-neb Insight™ was developed for the I-neb AAD system to provide a tool for data monitoring and a tool for training patients to optimize their inhalation cycle. For data monitoring, Insight is used to download the data stored in the patient logging system (PLS). The I-neb Insight functionality has been tested in patients with cystic fibrosis. The data analysis indicates the combination of the PLS function, and Insight can provide a very useful tool for the analysis of adherence and compliance information. This analysis can then be used by healthcare professionals to identify patients who might have problems that could lead to treatment failures. The analysis might also be an important part of a telemedicine network, which increasingly uses computer technology and telecommunication equipment to provide continuous vital sign monitoring and facilitate patient care at home, rather than solely relying on in-person care.

Contact: Mark Elphick

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Sotax Corporation
411 Caredean Drive, Suite A
Horsham, PA 19044
Phone: (215) 442-1500 Fax: (215) 442-1514
email: sotaxusa@sotax.com
www.sotax.com

Type of Software & Brand Name:

Application:

Winsotax Dissolution Software

21 CFR Part 11 compliant advanced dissolution software controls all Sotax dissolution systems, generates and stores methods, results, and reports. Interfaces with common brands of spectrophotometers.

Q- Doc Quality Management Software

21 CFR Part 11 compliant software controls all Sotax physical testing instruments for tablet and batch records, including tablet weight, thickness, hardness, and disintegration.

CUSoft

21 CFR Part 11 compliant software controls Sotax automated content uniformity and assay systems.

Sotax AT7 Smart

Supports USP 1, 2, 5, and 6 from basic to automated with UV, sample collection, and on-line HPLC. Includes autocompliance and hollow shaft sampling.

Sotax AT70 with BS60

Fully automated dissolution system for USP 1 and 2 for up to 15 unattended tests. Makes media, washes vessels, and analyzes.

Sotax CTS

Fully automated content uniformity, blend uniformity, and assay system for up to 240 samples unattended.

Sotax CE7 Smart

USP 4 flow through dissolution and elution systems for small volume or large volume. Good for DES, medical devices, injectable suspensions, implants, gels, MR tablets, and APIs.

Sotax MPS

Mobile media preparation system

Sotax FS7

Automated filter changer station

Sotax HT 1

Manual tablet thickness and hardness tester

Sotax HT 10

Automated tablet thickness and hardness for up to 24 tablets

Sotax HT 100

Complete automation of tablet weights, thickness, and hardness measurements

DT 2

Manual or automated disintegration testing

Sotax F1
Sotax FT300
Sotax TD2

Tablet friability
Powder flow tester
Tap density tester

Contact: Marc Finn, marc.finn@sotax.com, (215) 442-1500

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Wheaton, IL 60189-7900
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e-mail: info@sprayconsultants.com
www.sprayconsultants.com

Type & Brand Name of Instrument/System:	Application:
State-of-the art spray laboratories capable of characterizing sprays, designing and fabricating prototype spray nozzles and headers, and optimizing spray conditions.	
Phase Doppler Particle Analyzers	Used to measure drop size and velocity of liquid sprays
Laser Diffraction Particle Analyzer	Used to measure drop size distribution of liquid or powder sprays
Particle Image Analyzer	Used to measure the size and shape of drops emitted from both opaque and transparent liquid sprays
Computational Fluid Dynamics software	Used to simulate and predict spray performance using actual customer process conditions
LaVision SprayMaster System	Used to measure shape and intensity of spray with low flow nozzles

Contact: Elizabeth Kucharz

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WATERS CORPORATION
34 Maple Street
Milford, MA 01757
Phone: (508) 478-2000 Fax: (508) 872-1990
email: Brian_J_Murphy@waters.com
www.waters.com

Type & Brand Name of Instrument/System:	Application:
ACQUITY Ultra Performance Liquid Chromatography™	First-of-its-kind LC system designed to take full advantage of the potential of proprietary, sub two-micron particles. Provides chromatographic run times up to 9X shorter than today's fastest HPLC systems, up to 2X better peak capacity or resolution, and 3X better routine sensitivity.
The Waters® Protein Expression System	Industry's first multiplexed system to quantitatively assess changes in protein expression while performing enhanced qualitative protein identification - all within the same LC/MS run.
SunFire™ columns	State-of-the-art reversed-phase C18 bonded silica, which provides the best peak shape, low-pH stability and efficiency.
The Waters Micromass® Q-ToF Premier Mass Spectrometer	Hybrid quadrupole, orthogonal acceleration time-of-flight mass spectrometer that enables automated exact mass measurement of precursor and fragment ions to yield the highest confidence for metabolism studies, proteomics and structural analyses.

Type of Software & Brand Name:	Application(s):
MetaboLynx™ software	Features advanced tools for mining complex LC/MS data sets and accelerating the process of identifying drug metabolites.
eLab Notebook™ Software	Allows companies to digitally capture and store scientific information — graphical, mathematical, and textual information of all types — that, today, researchers enter manually into paper laboratory notebooks.

Contact: Brian J. Murphy, (508) 482-2614

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WEILER ENGINEERING, INC.
1395 Gateway Drive
Elgin, IL 60124
Phone: (847) 697-4900 Fax: (847) 697-4915
email: solutions@weilerengineering.com
www.weilerengineering.com

Type & Brand Name of Instrument/System:	Application:
ASEP-TECH®	Oral, parenteral (Injectable), Respiratory Therapy, Ophthalmic, Nutraceutical
Model 640 Model 624 Model 628 Model 603	

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WEST PHARMACEUTICAL SERVICES, INC.
101 Gordon Drive
Lionville, PA 19341
Phone: (800) 231-3000 Fax: (610) 594-3000
www.westpharma.com

Type & Brand Name of Instrument/System:	Application:
Extractable Leachables Testing	Tests and evaluates the compatibility of drug products with their packaging or delivery system for the pharmaceutical, biotechnology and medical device industries.

Contact: Jennifer Riter, Jennifer.riter@westpharma.com

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WYATT TECHNOLOGY
6300 Hollister Avenue
Santa Barbara, CA 93117
Phone: (805) 681-9009 Fax: (805) 681-0123
email: info@wyatt.com
www.wyatt.com

Type & Brand Name of Instrument/System:	Application:
DAWN light scattering detectors	Multi-angle light scattering instruments for determining absolute molar masses and sizes of polymers and biopolymers in solution
DynaPro Titan Light Scattering instrument	Dynamic light scattering instruments for determining solution properties of proteins and nanoparticles in solution
DynaPro Titan Plate Reader	Automates the dynamic light scattering to use standard 96 and 384-well plates. Reduces sample preparation and analysis time by a factor of 10.

Contact: Geoffrey Wyatt

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combining the 3M™ Integrated Dose by Dose Counter with our global regulatory experience, 3M can help smooth the integration process to add a dose counter to your programs. For more information, contact 3M Drug Delivery Systems at (800) 643-8086 or visit www.3m.com/dds.

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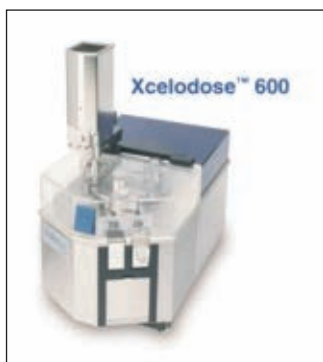
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PRECISION MICRO-FILLING



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pharmaceutical companies benefit from a shorter drug development process by reducing the need for costly and time-consuming stability studies, not to mention the avoidance of labor costs and possible inaccuracies associated with hand-filling. This in turn reduces the time taken to reach the "first-in-man" clinical trial decision point, which allows an increase in throughput of candidate compounds for development. For more information, contact Xcelience at (813) 286-0404 or visit www.xcelience.com.

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TIMERx[®]
Controlled Release Delivery Systems

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- Cost effective

Geminex
Dual-delivery system which can release drugs at two different rates

Summit Dose
Release drug at the desired time and into body

Penwest

Pii

Penwest has a clear, well-defined growth strategy: to leverage its strength in drug delivery and drug formulation to develop a portfolio of products targeting disorders of the nervous system. The company's current development pipeline includes products for the treatment of pain, epilepsy, Parkinson's disease, spasticity, and edema. It is continually evaluating new growth opportunities, both internally and externally. During 2006,

Penwest made important progress in pursuit of that strategy. Its key accomplishments included the approval and launch of Opana ER[®] by Endo Pharmaceuticals, development of its internal pipeline, and enhancement of its organizational capabilities and processes. For more information, contact Penwest at (845) 878-8400 or visit www.penwest.com.

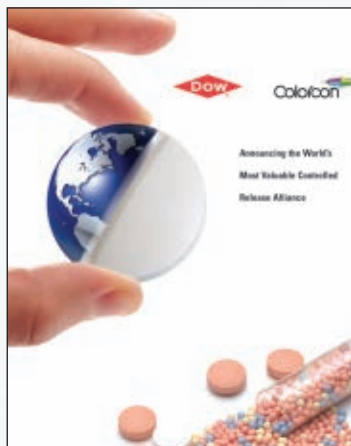
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PHARMACEUTICAL SOLUTIONS



Catalent Pharma Solutions' services include a full range of development services, such as preclinical support, API development, analytical services, drug delivery development, clinical manufacturing, and packaging services. We have expertise in inhalation development and can offer innovative biologic cell-line development using our proprietary GPEX™ technology. Catalent's drug delivery systems include soft gelatin and Vegicaps® Soft capsules; Zydys® fast-dissolve dosage form; oral modified-release technologies, including EnCirc®, EnVel®, and EnSolv®; and a range of inhaled technologies. Along with our proprietary dose forms, we also manufacture traditional oral, sterile, topical, and inhaled dose forms. We also produce biologics for preclinical and clinical studies. Globally positioned, our packaging services include commercial packaging for all dose forms and the supply of printed components. For more information, contact Catalent Pharma Solutions at (866) 720-3148 or visit www.catalent.com.

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The Dow Chemical Company and Colorcon, Inc. have formed a global Controlled Release Alliance that gives you more resources than ever to accelerate your pharmaceutical product development efforts and reach markets throughout the world. The alliance includes the exclusive global distribution rights for Dow Excipients, including ETHOCEL™ Ethylcellulose polymers, METHOCEL™ High Viscosity

Hypromellose polymers, and POLYOX™ Poly(ethylene oxide) resins. This alliance extends the business relationship between Dow and Colorcon that began in the 1970s. It places technical and customer service in the hands of Colorcon, an acknowledged world leader in application development support and product logistics. At the same time, it will allow Dow to place even more focus on developing new controlled-release excipient products and drug delivery technologies. For more information, contact The Dow Chemical Company at (800) 447-4369 or visit www.dowexcipients.com.

DEVELOPMENT & MANUFACTURING



DPT is a contract development and manufacturing organization (CDMO) specializing in semi-solid and liquid dosage forms. DPT provides fully integrated development, manufacturing, and packaging solutions for biopharmaceutical and pharmaceutical products. DPT is the industry source for semi-solid and liquids — from concept to commercialization and beyond. Drug development services range from preformulation, formulation and

biopharmaceutical development, analytical development, and validation through process development. Production capabilities include four cGMP facilities, clinical trial materials, full-scale commercial production, controlled substance registration Class II-V, and complete supply chain management. Packaging services encompass engineering and procurement resources necessary for conventional and specialized packaging. For more information, contact DPT at (866) CALL-DPT or visit www.dptlabs.com.

ORALLY DISINTEGRATING TABLETS



AdvaTab® is a new generation of ODT technology that offers distinct advantages and unique applications – unparalleled taste, flexible dosing, modified release, and a robust tablet. AdvaTab can be combined with Eurand's leading Microcaps® taste-masking

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TECHNOLOGY Showcase

POLYMERS & DELIVERY TECHNOLOGIES



Pharma Polymers is one of the world leaders in the manufacturing and supplying of functional coatings for the pharmaceutical industry. EUDRAGIT® polymers are ideal for enteric delivery, controlled release, and protective coatings. Based on more than 50 years of experience in EUDRAGIT polymer design and

formulation know-how for pharmaceutical applications, Pharma Polymers has developed intellectual property on advanced oral drug delivery technologies. The different brands of EUDRAPULSE®, EUDRACOL®, and EUDRAMODE® are the achievements of this intensive research and development effort so far. Pharma Polymers' business models for commercialization of these drug delivery technologies range from the development of customer-specific solutions to out-licensing strategies. For more information, contact Evonik Degussa Corporation at (877) 764-6872 (option 4) or visit www.pharma-polymers.com.

DRUG DELIVERY & DEVELOPMENT



Galenix, a pharmaceutical drug delivery and drug product development company, includes 3 business units to manage the development process from the molecule to the registration of the medicinal product according to GMP Europe and FDA standards. Galenix Pharma is dedicated to clinical trial batch manufacturing and packaging and quality control. Galenix Development is a research and development company focusing on drug delivery systems, which include Microgix, Minextab, Minextab/Floating, and Mucolys. Galenix Innovations carries out technology surveys, innovating formulation design and feasibility studies for patented technologies used by pharmaceutical laboratories. Galenix runs its own drug product development programs from the sourcing and characterization of APIs to marketing and outlicensing to pharmaceutical companies. For more information visit Galenix at www.galenix.fr.

PHARMA DEVELOPMENT SERVICES



It is critical for a service provider to meet the technical, financial, and timing demands of projects and offer clients first-class expertise and capabilities throughout the world. The Glatt Group has been supplying solid dosage technology, equipment, integrated systems, and processing expertise to the global pharmaceutical

industry for the past 50 years along with the highest level of support and commitment possible. Glatt uses this extensive experience to provide solutions to partners from the initial concepts in product and formulation development through process scale-up to commercial manufacturing of solid dosage products. With facilities in New Jersey, Germany, and Switzerland, Glatt is uniquely positioned to apply its considerable solid dosage development and manufacturing assets to major markets within the industry. For more information, contact Glatt Pharmaceutical Services at (201) 825-8700 or visit www.glattpharmaceuticals.com.

MANUFACTURER & API SPECIALIST



Hovione is a fine chemicals company that specializes in the process development and manufacture of active pharmaceutical ingredients and regulated intermediates. Dedicated to solving

the problems associated with the industrial production of complex chemical entities, the company's expertise in process chemistry and regulatory compliance to cGMP standards is based on more than 40 years of experience. Over that time, its ability to provide customers with timely solutions that are dependable and economical has given them a worldwide reputation for superior customer service. Hovione's business is 50% custom synthesis for large pharma and biotech companies and 50% generic products. More than half of today's sales consists of products launched less than 5 years ago. For more information, visit Hovione at www.hovione.com.

TECHNOLOGY Showcase

COMBINATION CAPSULE TECHNOLOGY



InnerCap offers an advanced patent-pending multi-phased, multi-compartmentalized capsular-based delivery system. The system can be used to enhance the value and benefits of pharmaceutical and biopharmaceutical products. Utilizing two-piece hard shell capsules, the technology offers the industry solutions to problems affecting pharmaceutical companies, patients, and healthcare providers. The delivery system will be licensed to enhance pharmaceutical and

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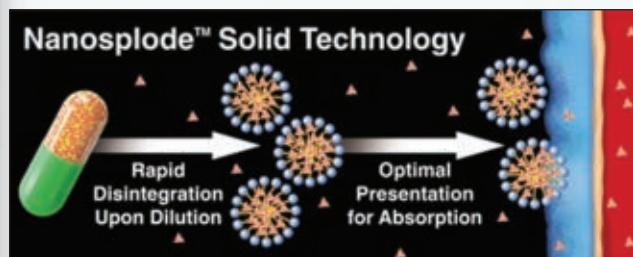
HYBRID IONTOPHORESIS TECHNOLOGY



Hybrosis is a revolutionary drug delivery system that uses the power of iontophoresis technology. It provides clinicians with a wireless system that offers precise dose control, alternative treatment modes, and shortened in-clinic treatment times. With three treatment modes in one patch, Hybrosis combines the precise dosing of traditional dose controllers with the convenience of patch-only treatments. The Hybrosis

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SOLID-LIPID DISPERSIONS



For diseases requiring rapid and superior therapy, drug absorption from a conventional solid dosage form of drugs with poor absorption potential is often slow and suboptimal. Nanosplode expands the dosage form options of Lipocine's Lipral (for optimal oral bioavailability) and Hydroance (for optimal non-invasive delivery of hydrophilic drugs with poor oral absorption potential) delivery technologies, while preserving their respective performance attributes. Nanosplode offers novel compositions and processes to produce practical solid dosage forms utilizing a broad spectrum of lipid materials. These materials are generally accepted lipid and other formulation excipients already in approved food or drug products. For more information, contact Lipocine, Inc., at (801) 994-7383 or visit www.lipocine.com.

DIFFERENTIATED THERAPEUTICS



Nektar Therapeutics is a biopharmaceutical company that develops and enables differentiated therapeutics with its industry-leading PEGylation and pulmonary drug development technology platforms. Nektar PEGylation and pulmonary technology, expertise, and manufacturing capabilities have enabled 9 approved products for partners. Nektar also develops its own products by applying its PEGylation and pulmonary technology platforms to existing medicines with the objective to enhance performance, such as improving efficacy, safety and compliance. We collaborate with partners who recognize the value we bring to product development. By sharing our assets and intellectual resources, we increase the therapeutic value of proven drugs and create new products that redefine what medicines are capable of doing. As our product portfolio and pipeline continue to grow, so does our capacity for innovation. For more information, contact Nektar at (650) 631-3100 or visit www.nektar.com.

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NEW DDS FACILITY



NOF CORPORATION has been supplying Activated PEGs, high-purity phospholipids, and high-performance Polysorbate to pharmaceutical companies throughout the

world. Its Activated PEGs have been used to conjugate with protein drugs so that PEG-stabilized drugs can circulate longer in the bloodstream with improved efficacy. NOF's new DDS plant for manufacturing Activated PEGs has started commercial operation under cGMP since October 2005. The new three-story, 200,000-sq-ft DDS plant now offers a five-fold increase in production capacity. The company's Activated PEGs and new plant have been attracting increasing attention from pharmaceutical companies across the globe. In addition, a new DDS Research Laboratory has just been established in the new building next to the DDS plant to accelerate the development of new products for DDS and satisfy customers. For more information, contact NOF Corporation at (914) 681-9790 or visit www.nof.co.jp/dds.

PHARMACEUTICAL PRODUCT DEVELOPMENT



Licensing opportunities for PharmaForm's patented transdermal and transmucosal delivery systems are available. PharmaForm's proprietary delivery platform is a versatile polymeric delivery

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MANUFACTURING SOLUTIONS



Since 1949, Remmele Engineering has designed and built custom manufacturing equipment for installation worldwide. The company is an innovative, strategic thought partner for leading suppliers in the drug delivery industry. Remmele operates under an ISO 9001:2000-certified quality system and provides manufacturing solutions from proof-of-concept through

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CONTROLLED DELIVERY PLATFORM



SCOLR Pharma applies its patented CDT® Controlled Delivery Technologies to develop formulations for companies with pharmaceutical,

OTC, and nutraceutical products. These elegantly simple technologies can be used for controlled-release periods for up to 24 hours and can be manufactured using readily available standard materials and conventional production equipment. SCOLR Pharma partners with companies under contractual arrangements that include licensing fees, royalties, manufacturing contracts, or other mutually agreed upon financial arrangements. SCOLR Pharma's CDT® has the many distinct advantages, including highly programmable (capable of a wide range of release profiles), easy to manufacture (employs conventional manufacturing equipment), cost effective (utilizes standard tableting excipients), higher payload (when compared to other technologies), and strong patent protection (full patent life and easy enforcement). For more information, visit SCOLR Pharma at www.scolr.com.

TECHNOLOGY Showcase

PREFILLABLE DELIVERY SYSTEMS



BD Medical - Pharmaceutical Systems is dedicated to developing prefilled drug delivery systems designed to fit the needs of the pharmaceutical industry. Whether a

glass or plastic prefilled syringe, a nasal spray system, a dry drug reconstitution system, an injection or self-injection device, BD Medical - Pharmaceutical Systems provides the expertise and experience required by the pharmaceutical industry in a packaging partner. We deliver cost-effective alternatives to conventional drug delivery methods, which differentiate pharmaceutical products and contribute to the optimization of drug therapy. All of its prefilled devices are designed to meet healthcare professionals' demands for safety and convenience and to fulfill patients' needs for comfort. BD's worldwide presence, market awareness, and pharmaceutical packaging know-how allow it to propose suitable solutions for all regional markets and parenteral drug delivery needs. For more information, contact BD Medical - Pharmaceutical Systems at (201) 847-4017 or visit www.bdpharma.com.

CLINICAL SERVICES & SUPPLIES



Bilcare Global Clinical Supplies serves the Americas, Europe, and Asia with clinical trial materials support, services, and complete project management. Our services for solid, semi-solid, liquid, DEA (CI-V), and biotech clinical trial materials (CTM) satisfy a broad range of requirements from preformulation research and development, analytical services, and clinical supplies packaging and labeling to IVRS, controlled temperature (cold and frozen chain) CTM storage, distribution worldwide, and returns and destructions accountability. Our integrated approach provides you with seamless service throughout your entire project. We combine our industry experience and our total clinical supply chain service and delivery to provide smart, efficient, and innovative solutions. For more information, contact Bilcare Global Clinical Supplies at (610) 935-4300 or www.bilcaregcs.com.

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Bilcare is a global provider of innovative packaging materials and solutions for the pharmaceutical industry. We partner with our customers and support them with a broad portfolio of film- and foil-based packaging materials to provide their drugs with the optimum protection and shelf-life as well as with specialty materials and solutions for brand protection and enhancement of brand identity. We provide research services that enable our clients to develop the optimum package by quantitatively determining the failure mode of new and existing applications using an innovative stability evaluation protocol that reduces time, cost, and resource loading. For more information, contact Remco van Weeren, PhD, at Bilcare, Inc. at (610) 935-4300 or visit www.bilcare.com.

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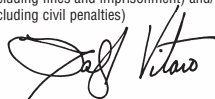
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