EXPERIENCE UNRIVALED Contract Manufacturing

When it comes to outsourcing focused on commercial success, you need a CMO that has been there many times through deep scientific expertise and world-class manufacturing capabilities.
ABBVIE
CONTRACT
MANUFACTURING

When you choose AbbVie Contract Manufacturing, you get so much more than a typical CDMO engagement. Through the partnership, you gain integrated access to scientific expertise and processes that have taken many small molecule and biologic medicines through commercialization and on to the forefront of patient care.

Your product is treated with the same commitment as if it were ours at world-class facilities, and you can rest easy being served by our experience of being there before, and one of the industry’s most trusted reputations for delivery.
Abbvie is committed exclusively to drug development and the global supply and management of life-changing therapies. We have the expertise to optimize your project, coupled with agility and flexibility that support efficient processes.
## PLANT Capability Matrix

### Experience Unrivaled

<table>
<thead>
<tr>
<th>APIs</th>
<th>Europe</th>
<th>USA</th>
<th>Puerto Rico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Biologic</td>
<td></td>
<td>●</td>
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<tr>
<td>Potent</td>
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<tr>
<td>Fermentation</td>
<td></td>
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<td>●</td>
</tr>
</tbody>
</table>

### Manufacturing / Dosage Product

<table>
<thead>
<tr>
<th>Processes</th>
<th>Europe</th>
<th>USA</th>
<th>Puerto Rico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tablet Coating</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Spray Coating (Glatt)</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Massing Granulation (High Shear)</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Massing Granulation (Low Shear)</td>
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</tr>
<tr>
<td>Massing Granulation (Single Pot)</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Spray Granulation (Fluid Bed)</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Drying Granulation (Fluid Bed)</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Compressing Granulation (Roller Compactors)</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Capsules</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Particle Coating</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Direct Compression (Dry Blend)</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Micro-tablets</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Bi-Layer</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Hot Melt Extrusion</td>
<td>●</td>
<td></td>
<td>●</td>
</tr>
<tr>
<td>Liquids</td>
<td></td>
<td>●</td>
<td>●</td>
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<tr>
<td>Syrups / Suspensions</td>
<td></td>
<td></td>
<td>●</td>
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<tr>
<td>Potent</td>
<td></td>
<td></td>
<td>●</td>
</tr>
<tr>
<td>DEA Drug Product</td>
<td></td>
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</tbody>
</table>

### Product Packaging / Printing

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Europe</th>
<th>USA</th>
<th>Puerto Rico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blisters</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Blister Foils / Foil</td>
<td>●</td>
<td></td>
<td>●</td>
</tr>
<tr>
<td>Bottles</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Sachets / Sticks</td>
<td></td>
<td></td>
<td>●</td>
</tr>
<tr>
<td>Wallets</td>
<td></td>
<td></td>
<td>●</td>
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<tr>
<td>Syringe Packaging</td>
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<td></td>
<td>●</td>
</tr>
<tr>
<td>Prefilled Syringe</td>
<td></td>
<td></td>
<td>●</td>
</tr>
</tbody>
</table>
PLANT CAPABILITIES
- APIs
- Manufacturing / Dosage Product
- Product Packaging / Printing

EUROPE
1 Ludwigshafen, Germany
- Tablet Coating
- Massing Granulation (High Shear)
- Massing Granulation (Low Shear)
- Drying Granulation (Fluid Bed)
- Compressing Granulation (Roller Compactor)
- Capsules
- Direct Compression (Dry Blend)
- Micro-tablets
- Bi-Layer
- Hot Melt Extrusion
- Liquids
- Blisters
- Bottles

2 Cork, Ireland
- Chemical
- Potent
- Tablet Coating
- Massing Granulation (High Shear)
- Massing Granulation (Single Pot)
- Drying Granulation (Fluid Bed)
- Compressing Granulation (Roller Compactor)
- Capsules
- Direct Compression (Dry Blend)

3 Campoverde, Italy
- Chemical
- Tablet Coating
- Massing Granulation (High Shear)
- Massing Granulation (Single Pot)
- Drying Granulation (Fluid Bed)
- Compressing Granulation (Roller Compactor)
- Direct Compression (Dry Blend)
- Liquids
- Syrups / Suspensions
- Blisters
- Blister Foils / Foil
- Bottles
- Sachets / Sticks

USA
4 Lake County, Illinois
- Potent
- DEA Drug Product
- Tablet Coating
- Spray Coating (Glatt)
- Massing Granulation (High Shear)
- Massing Granulation (Low Shear)
- Drying Granulation (Fluid Bed)
- Compressing Granulation (Roller Compactor)
- Capsules
- Particle Coating
- Direct Compression (Dry Blend)
- Bi-Layer
- Hot Melt Extrusion
- Liquids
- Potent
- Prefilled Syringe

5 North Chicago, Illinois
- Chemical
- Fermentation

6 Worcester, Massachusetts
- Biologics

7 Wyandotte, Michigan
- Chemical
- Potent

PLANT CAPABILITY MATRIX
When you select AbbVie Contract Manufacturing for your biologics product, you’re partnering with a leading developer and manufacturer that is at the forefront of biopharmaceuticals with both our own products and customers’ products. Our scientific team and state-of-the-art facilities clearly demonstrate the capability to optimize success all the way from innovation to commercialization.

Take advantage of the immediate application of this level of knowledge and resources and our trusted reputation for delivery to inspire confidence in reliable supply. We commit to partners’ products as if they are our own, so you have exceptional scientific experience on your side. We also bring the agility and flexibility of a streamlined organization focused solely on drug development.

› Commercial production in Worcester, Massachusetts and Barceloneta, Puerto Rico
› Bioresearch centers on the East and West Coast of the United States
› Process development & optimization
› Process scale-up
› Capability to handle many projects simultaneously
› Structured planning
› Approvals for global markets & comprehensive regulatory expertise

**PROCESS DEVELOPMENT & OPTIMIZATION**
› Cell line development
› Cell culture process development
› Purification process development
› Media development and optimization
› Analytical method development
› Extended product characterization
› Viral clearance studies

**PROCESS SCALE-UP** labs feature single-use and stainless technology, with scales ranging from 3 L–1,000 L

**MANUFACTURING**
› GMP manufacturing capabilities (500 L–12,000 L)
› Cell bank production in a dedicated suite
› Process characterization and validation
**ANALYTICAL SERVICES**
- HPLC (SEC, IEX, affinity, reverse phase)
- Host-cell protein
- Electrophoresis (CE, IEF, SDS-PAGE)
- ELISA
- Peptide structure determination (LC, MS)
- Oligosaccharide analysis
- DNA quantification (threshold)
- DNA identification (PCR)
- Spectrophotometry (FT-IR, UV VIS)
- Bioburden / Endotoxin

**CLIENT SERVICES**
- Stability studies
- Regulatory filing expertise
- Skilled planning and project management
- Scale to accommodate multiple customers simultaneously
- Dedicated time slots for contract manufacturing
- Exceptional track record of meeting all timelines

**EXPERIENCE UNRIVALLED**
**AbbVie Contract Manufacturing delivers advantages** beyond a typical CMO to the drug product market. As a leading pharmaceutical developer and manufacturer, we have a large and diverse scientific team who bring an extensive depth of knowledge and experience. This can make a significant difference to your product, from development phases to commercialization. We have the flexibility of seven facilities in North America and Europe offering drug product manufacturing. We also have one of the most trusted reputations in the industry for reliable, high-quality delivery.

**SOLID DRUG PRODUCT MANUFACTURING**

**Massing**
- Dry and wet massing processes utilize high shear (75 L, 300 L and 1,200 L scale) or low shear
- Fluid bed drying and warm air tunnel dryers
- Spray granulation (400 L – 1,100 L scale)

**Compression / Encapsulation**
- Multitude of gravity and induced-fed machines with pre-compression capabilities for tablets, caplets, and hard gelatin capsules
- Semi-solid encapsulation
- Over encapsulation
- 100% check weighing
- Multi-component encapsulation

**Blending**
- V-blenders (2 cu. ft. – 150 cu. ft. scale)

**Coating**
- 24- and 60-inch coater (Accela-Cotas)
- Wurster coating (100 L – 775 L scale)

**Other available specialties**
- Gradumet chamber
- Liquid reactors (75 L – 4,000 L scale)
- Hot Melt Extrusion
- Automated blending
- Solvent capabilities
- PAT capabilities for variety of processing and packaging equipment

**MANUFACTURING BENEFITS**
- Robust network of drug product facilities accelerate scale-up through commercialization
- Seven global drug product manufacturing sites
- Five locations for packaging and printing
- Network that delivers broad flexibility in scale and location
LIQUID / OTHER PRODUCT MANUFACTURING

Manufacturing
› Multitude of jacketed and non-jacketed vessel varying from 75 L– 6,800 L capacity
› Topical ointment capability
› Suppository manufacturing

Dosage finishing
› Filling and packaging of glass and plastic bottles
› Pouching for suppositories
› Metal and plastic tube filling for ointment
› Tamper-evident neck banding
› 2D matrix unit serialization (track and trace)

PRODUCT FINISHING

Printing
› Ackley capsule and tablet printer with vision system

Dosage finishing
› Automated tablet counting and slide filling capability for a wider range of bottle sizes and shapes
› Blister packaging of tablets and capsules
› Bottle filling of tablets, capsules, liquids, granules, and creams
› Tamper-evident, induction-sealed neck and body banding
› Syringes
› Sachets / sticks
› Kit packaging
› Track and trace

AVAILABILITY OF DOSAGE FORMS BY REGION

<table>
<thead>
<tr>
<th>Dosage Forms</th>
<th>Europe</th>
<th>North America</th>
</tr>
</thead>
<tbody>
<tr>
<td>Film-Coated Tablets</td>
<td>●●</td>
<td></td>
</tr>
<tr>
<td>Capsules</td>
<td>●●</td>
<td></td>
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<tr>
<td>Microgranules</td>
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<tr>
<td>Syringes</td>
<td>●●</td>
<td></td>
</tr>
<tr>
<td>Chewable Tablets</td>
<td>●●</td>
<td></td>
</tr>
<tr>
<td>Syrups/Suspensions</td>
<td>●●</td>
<td></td>
</tr>
<tr>
<td>Sachets/Sticks</td>
<td>●●</td>
<td></td>
</tr>
<tr>
<td>Over-Encapsulation</td>
<td>●●</td>
<td></td>
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<tr>
<td>Modified-Release Tablets</td>
<td>●●</td>
<td></td>
</tr>
<tr>
<td>Sprays (non-pressurized)</td>
<td>●●</td>
<td></td>
</tr>
<tr>
<td>Liquids</td>
<td>●●</td>
<td></td>
</tr>
<tr>
<td>Ointments/Creams</td>
<td>●●</td>
<td></td>
</tr>
<tr>
<td>Multilayer Tablets</td>
<td>●●</td>
<td></td>
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<tr>
<td>Granules</td>
<td>●●</td>
<td></td>
</tr>
<tr>
<td>Hot Melt Extrusion</td>
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</tr>
</tbody>
</table>
ABBVIE Contract Manufacturing offers potent capabilities for drug product and APIs covering development phases to commercial production. We are among few companies with potent-capable facilities in North America and Europe, reflecting an advantage of working with a pharmaceutical developer and manufacturer. Other advantages include the depth of scientific expertise that applies to your project, and our exceptional track record for compliance and safety. Our capabilities also encompass the highest Environmental Health and Safety (EHS) industry practices for handling potent compounds.

**CAPABILITIES**
- Potency classification down to OEB 5 (OEL <1 µg/m³)
- Potent active pharmaceutical ingredients (HPAPI)
- Potent drug product
- Process development & kilo labs
- Analytical capabilities
- Security infrastructure for controlled drugs

**DEVELOPMENT SERVICES**
- Drug Product Development (Lake County, IL)
- Tablet and capsule production from Phase I–III
- Blending (3 L–300 L bins)
- Dry granulation (Gerteis roller compactor)
- Wet granulation (10 L–75 L high shear)
- Drying (single pot processing)
- Milling (Comil)
- Compressing and coating (1 kg – 15 kg)
COMMERCIAL MANUFACTURING SERVICES

API production (Sligo, Ireland)
- Dedicated hydrogenation suite (4,000 L)
- Independent and configurable glass and stainless steel equipment trains (400 L – 4,500 L)
- Wet mill technology
- Identical process train configuration to facilitate scale-up activities
- Class 10,000 suites with hastelloy and 316 stainless steel filter dryers (3 suites ranging: 5 kg – 250 kg)
- Process control temperature (5ºC – 105ºC)
- Split butterfly valve transfer technology
- Purified water system
- Small kilo scale reactors (including high pressure reactors)

Drug product manufacturing (Sligo, Ireland)
- Tablet (IMA 300) and capsule (Imtric 150) production (Phase I – Commercialization)
- In-bin International Bulk Container (IBC) blending capabilities (50 L – 420 L)
- Contained IBC to IBC transfer and milling stations (Comil)
- Dry granulation (Gerteis roller compactor)
- Wet granulation (high shear) and drying single-pot processors (120 L – 300 L Collette single pot processing)
- Contained encapsulation suite with 100% weight checking and online metal checking (29 L – 250 L)
- Contained tableting suite (IMA Tablet Press) with in-process automatic weight check and in-line metal detection
- Contained tablet coating suite (Bahle 200) with adjustable tablet pan size – capable of color, enteric and active tablet / core coating
- Clean-in-place (CIP) systems

CLIENT SERVICES

Analytical services
- HPLC (reverse phase, normal phase, ion exchange, gradient and isocratic methods, pulsed amperometric detection, UV visible, diode array, and MS detection)
- LC / MS
- GC (FID and TCD detection, capillary and glass columns, headspace and residual solvents analysis)
- Spectrophotometry (FT-IR, UV visible)
- Atomic absorption, ICP and X-ray
- Optical and electron microscopy
- Surface area and particle size distribution
- Total organic carbon testing
- Microbiology lab for product testing and facility environmental testing
- Stability testing

Technical capabilities
- Licensed, state-of-the-art, multipurpose facilities in Europe and North America
- High containment capabilities
- Manufacture of potent drug substance and drug product
- FDA / EU approved
- Lean Six Sigma methodologies
- Licensed for investigational medicinal product supply
- Method transfer capability, product testing and GMP compliance
- Chemical, process engineering, pharmaceutical and project managers
AbbVie Contract Manufacturing offers proprietary hot melt extrusion technology in both the US and Europe. Our Ludwigshafen, Germany location offers development and commercial production, while our Barceloneta, Puerto Rico facility offers further commercial production capabilities. Hot melt extrusion is a robust process that offers continuous processing capabilities for a more economical manufacturing method serving poorly-soluble APIs, potent APIs, abuse deterrence, taste masking, and solvent-free formulations.

**HOT MELT EXTRUSION (HME) CAPABILITIES**

**Advantages**
- Once developed, it’s an extremely robust process
- Very stable product
- Continuous processing capabilities for a more economical method of manufacturing
- Ease of scalability of the extrusion process

**Dosage Forms**
- Controlled & modified release
- Tablets
- Multi-layer tablets
- Capsules

**PHASE I**
- Dosage form development
- Formulation development
- Analytical methods development

**PHASE II/III**
- Dose form optimization
- Optimization of the extrusion process
- Process development and optimization

**COMMERCIALIZATION**
- Scale-up of extrusion process
THE ABBVIE ADVANTAGE

Development Services
› Analytical
› HME formulation
› HME process development
› Scale-up from 18mm to 70mm extruder
› Associated dosage forms

Commercial Manufacturing
› 18mm – 70mm extruders
› Continuous processing
› Manufacturing sites in the US and EU
› HME and tableting / capsules at commercial scale

Capabilities
› Pilot to commercial scale
› Expertise in tableting / encapsulation, potents, and modified release

Benefits
› Improved bioavailability of the pharmaceutical active ingredients
› Precisely timed and delayed release can be reached
› Excellent integration of difficult-to-dissolve APIs
› Enhancement of solubility / bioavailability for poorly-soluble drugs
› Support for good process control and scalability
› Ability to add taste masking

Experience
› Integrated development and commercial manufacturing for HME and all associated dosage forms
› More than 10 years of HME experience in both development and commercial manufacturing
AbbVie Contract Manufacturing offers world-class fermentation capabilities based on more than 60 years’ leadership in fermentation. Your project will benefit from AbbVie’s scientific expertise as a leading developer and manufacturer of fermentation processes at our 180-acre facility in North Chicago, Illinois. We bring the same degree of expertise and passion to your project as we do with our own – supporting you from strain improvement through to large-scale manufacturing.

DEVELOPMENT SERVICES

› Strain improvement via classical and recombinant methods
  – Bacterial (actinomycetes, recombinant)
  – Fungal (molds and yeasts)
› Preparation of master and working cell banks
› Inoculum process development
› Process development and characterization at pilot scale (10 L – 750 L), including process validation
› Method development
  – Analytical, Cleaning, Microbial

CAPABILITIES

› GMO and non-GMO organisms
  – Actinomycetes, E.coli, Fungi, Bacillus, Yeast, GLSP or BSL-1 organisms
› On-site anaerobic and aerobic waste treatment
› Solvent storage and recovery
› Able to meet pharma and food GMO, Halal and Kosher requirements

COMMERCIAL SERVICES

› Over 3000 m³ fermentation capability
  – Scale 10,000 L – 100,000 L working volume
› Batch and continuous sterilization
› Dedicated cell bank preparation facility and maintenance with redundant equipment and controls
› Broad range of downstream unit operations
  – Broth separation via scroll decanters, microfold disk stack centrifuges, belt filter
  – Liquid extraction
  – Concentration via reverse osmosis, thin film evaporation, flash evaporation, mechanic vapor recompression
  – Purification via chromatography, ion exchange, ultrafiltration, carbon decolorization, crystallization
  – Reactions for semi-synthetic products
  – Product isolation via cartridge and depth filtration, filter press, basket centrifuge and filter pot
  – Drying and bulk packaging via blender dryers, fluid bed dryers, tray dryers, filter dryers, milling and dry blending
MANUFACTURING EXCELLENCE

› Class-A certified operation, focused on efficient processing
› Key Performance Index (KPI) monitoring
› Environmental Health and Safety (EH&S) programs to ensure pollution prevention and resource conservation
› Process Analytical Technology (PAT) and process control systems
› Distributed Control Systems (DCS)
› Continuous improvement

CLIENT COMMITMENT

› Reliable supply through established supply and operations planning (S&OP) processes
› Dedicated project management
› New product introduction business process
› Global Chemical Manufacturing Control (CMC) filing support
› Information confidentiality and security via cyber and physical controls

ANALYTICAL SERVICES

Chemistry

› High Performance Liquid Chromatography (HPLC) – reverse phase, normal phase, etc.
› ICP-OES and ICP-MS
› Gas Chromatography (GC) analysis
› GC-MS and LC-MS
› Reference standard & purity characterization
› Spectrophotometry (FT-IR, UV-Vis, GC Mass Spec)
› Wet chemistry (titrations, LOD, pH, heavy metals, etc.)
› Biopotency
› Turn-key stability testing service
› Cleaning method development via LC and TOC
› X-ray diffraction, TGA and DSC
› Optical and electron microscopy
› Surface area and particle size analysis on site
› Specific organism detection
› Microbial identification and limits testing
› Bioburden (AMC / Endotoxin – LAL)
› Environmental testing
AbbVie Contract Manufacturing offers development to commercial manufacturing services for prefilled syringes at our Barceloneta and Lake County facilities. Barceloneta is one of the world’s most advanced facilities for biologics syringe filling and Lake County has broad packaging services from blister packs to auto-injectors. This combination ensures you can meet your production objectives and have confidence in reliable delivery. You also have the support of a global leader in this fast-growing choice for dose medication.

STATE-OF-THE-ART ASEPSTIC FILLING

› Aseptic filling suite utilizing Restricted Access Barrier System (RABS) technology
› Fill volumes from 0.4 – 8 mL in BD Hypak or equivalent type syringe
› Inova filler utilizing peristaltic pump technology
› Non destructive weight checks
› Compatible with plungers packaged in rapid transfer port system
› Nested syringes in tubs
› Cold chain warehousing
› Remote process monitoring
› Dedicated and/or disposable fluid path
› 100% manual visual inspection or 100% automatic visual inspection via AVI (Automated Visual Inspection) equipment

BROAD PACKAGING CAPABILITIES

Injector Assembly
› Packaging engineering experts on-site
› Fully automated auto injector assembly
› 100% visual and automated inspection
› Labeling and cartoning of auto-injectors

Syringe Packaging
› Fully automatic assembly for plunger and finger grips
› Labeling of individual syringes
› Blister packaging and cartoning for individual syringes
› 100% visual and automated inspection
ANALYTICAL SERVICES

› On-site micro laboratory
  – Sterility testing via isolator technology
  – On-site microbial identification via DNA sequencing
  – Visible and non-visible environmental monitoring
› On-site chemistry
  – Variety of HPLC testing
  – Particulate testing
  – UV-Vis
  – FTIR
  – ATR
  – Incoming raw material testing
› Device functional testing
  – Container closure integrity
  – Glide force
  – Break loose force
› Stability services
  – Full range of temperature chambers

DEVELOPMENT SERVICES

› Laboratory-scale pumping capacity
› Full-service process validation for large molecule biologics
› High-speed camera system
› Capability for filling clinical lots

QUALITY

› In-coming commodity testing
› On-line non-destructive check weighing
› Robust environmental monitoring program, including:
  – 100% manual or automated visual inspection
  – Electronic batch records
  – Automated process tracking and trending
› On-site Biologics testing
  – SDS PAGE
  – Capillary Electrophoresis
  – ELISA
  – DNA threshold
  – Host cell protein

CLIENT SERVICES

› Global regulatory support
› Exceptional project management / responsiveness
› Dedicated time slots for contract manufacturing
› Comprehensive regulatory expertise
› Licenses for global market distribution
› Excellent reputation for on-time delivery
AbbVie manufactures a wide range of compendia-grade active pharmaceutical ingredients (APIs). We have one of the most trusted reputations in the industry for timely delivery of high quality product. State-of-the-art facilities worldwide and a highly experienced scientific team offer further assurances that you will experience worry-free, reliable service.

**ANTIBIOTICS**

**INTERNATIONAL NONPROPRIETARY NAMES**

**Erythromycin Base**

- **COMPENDIA:** USP, EP
- **THERAPEUTIC CATEGORY:** Macrolid antibiotic
- **CAS NUMBER:** 114-07-8

**Erythromycin Ethylsuccinate**

- **COMPENDIA:** USP, EP
- **THERAPEUTIC CATEGORY:** Macrolid antibiotic
- **CAS NUMBER:** 41342-53-4 / 1264-62-6

**Erythromycin Stearate**

- **COMPENDIA:** USP, BP
- **THERAPEUTIC CATEGORY:** Macrolid antibiotic
- **CAS NUMBER:** 643-22-1

**Erythromycin Thiocyanate**

- **THERAPEUTIC CATEGORY:** Macrolid antibiotic
- **CAS NUMBER:** 7704-67-8

**FINE PHARMACEUTICALS**

**INTERNATIONAL NONPROPRIETARY NAMES**

**Biperiden Base**

- **COMPENDIA:** N / A
- **THERAPEUTIC CATEGORY:** Anti-Parkinson's disease
- **CAS NUMBER:** 514-65-8

**Biperiden Hydrochloride**

- **COMPENDIA:** EP
- **THERAPEUTIC CATEGORY:** Anti-Parkinson's disease
- **CAS NUMBER:** 1235-82-1

**Cyclosporine**

- **COMPENDIA:** USP, EP
- **THERAPEUTIC CATEGORY:** Immunosuppressant
- **CAS NUMBER:** 59865-13-3

**Divalproex Sodium**

- **COMPENDIA:** USP
- **THERAPEUTIC CATEGORY:** Bipolar Disorder
- **CAS NUMBER:** 99-66-1

**Enflurane**

- **COMPENDIA:** USP
- **THERAPEUTIC CATEGORY:** Local anesthetic
- **CAS NUMBER:** 13838-16-9

Finished dosage forms may be available on specific request for selected products.