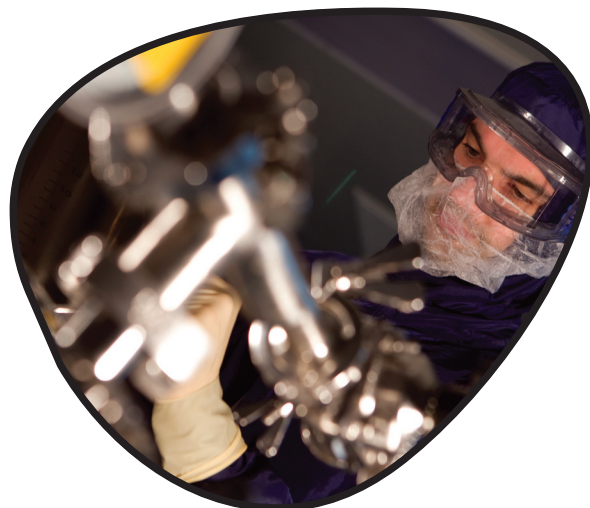




## GSK Contract Manufacturing Antibiotics



GSK provides contract manufacturing facilities in the production of cephalosporins and penicillins. We produce both orals and steriles, in dedicated, state-of-the-art facilities designed for high volume, high quality manufacture. We have the resources to support new product introduction, including stability testing, filing, and other regulatory documentation. Our antibiotics sites are located in Europe (secondary) and Singapore (API) and are FDA, EU, and Worldwide licensed.

We have more than five years of experience as a long-term contract manufacturing partner in antibiotics. GSK provides all stages of manufacture from actives to bulk vials and tablets to final packaging. We can provide flexible support to meet our customers' needs.

GSK is at the forefront of process optimization with the application of methodologies that include Process Analytical Technology (PAT) and Quality by Design (QbD). Our manufacturing has support from comprehensive corporate resources, including Chemistry and Pharmaceutical Development.

Our antibiotics facilities provide tablet granulation, compression and coating, suspension spray granulation manufacturing plants, and flexible fill/packaging lines for global supply.

As well as getting an experienced and competitively priced contract manufacturing resource for antibiotics, our long-term partners also value the fact that they are working with GSK. We provide our partners with dedicated account managers who are used to working across geographic markets and in different time zones. Our capabilities assure you receive a proven, successful, and world-class contract manufacturing experience for cephalosporins and penicillins.

**Molecule to Market — Extending Your Capabilities**

## Manufacturing Capabilities







- Solid Dose: hard gel capsules, direct compression
- Sachets
- Suspensions
- Oral Liquids
- Sterile Vials including Add-Vantage®

- Excellent quality record
- Supply security through an integrated supply chain
- Secure and cost competitive options

ADD-Vantage® is a registered trademark of Hospira, Inc.

## Processes

- Dedicated, state-of-the-art facilities
- Product formulation and development
- New product introduction support
- Regulatory support for filing
- Project management of source change
- Global cGMP facility with lab-scale development capability
- Full analytical testing capability - physical, chemical, and microbiological

				
	Solid Dose	Oral Liquids	Vials	API
ANTIBIOTICS				
Italy				
Singapore				
UK				
GlaxoSmithKline Contract Manufacturing				

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