



Active Pharmaceutical Ingredients Highly Potent API Services

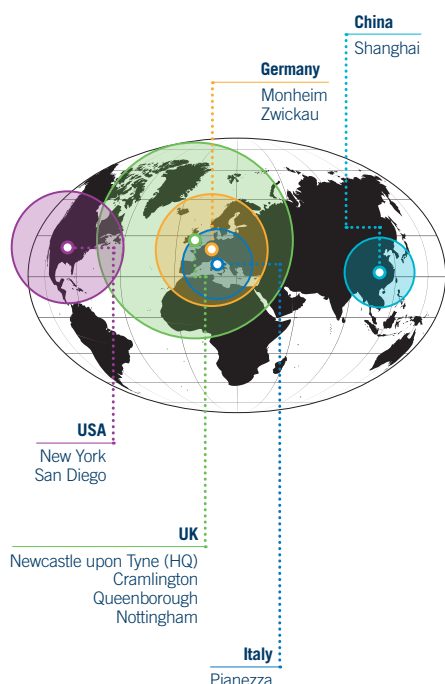
From the day we founded Aesica in 2004, we have been committed to being fast, flexible, innovative and reliable. Qualities that are helping to make us one of the world's leading contract developers and manufacturers of pharmaceuticals. We are constantly developing the technical and analytical skills of our people to ensure that we are capable of meeting the demands of our customers.

With over 10 years' experience in manufacture and commercial supply of highly potent active pharmaceutical ingredients (HPAPI), our facilities offer containment for safe-handling of highly potent compounds up to Safebridge® Category 3 (minimum OEL 0.1µg/m³) to the highest standards of c-GMP.

We are regularly audited by customers and regulatory authorities including the MHRA and FDA and hold UK Home Office licenses for the possession and manufacture of schedule 1-4 controlled drugs.

We offer laboratory scale process research and development to full commercial manufacture for HPAPI. Our containment systems utilise split-butterfly valves, contained transfer couplings and barrier isolation technology which allows safe handling of HPAPI. In addition to the development and commercial manufacture we provide full analytical and regulatory services.

continued overleaf...



To discover how we can support your needs

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Development Laboratory

- Route selection & optimisation
- Process research & development
- DOE statistical experimental design
- Safety studies using RC1 reaction calorimeter & DSC
- Parallel reaction capabilities
- Analytical development expertise

Kilo Lab

- cGMP kilo lab facilities
- Up to 50L glass reactor vessels
- Temperature range -20°C to 150°C
- Hastelloy filter drier technology
- Pressure hydrogenation
- Production up to 10kg scale

Pilot Plant

- cGMP pilot plant facilities
- Glass-lined reaction vessels up to 250L volume
- Hastelloy filter drier with glovebox isolation technology
- Temperature range -20°C to 150°C
- Pressure hydrogenation
- Production up to 100kg scale

Commercial Scale Plants

- cGMP computer controlled facilities
- Up to 6m³ reaction vessels
- Filter drier technology up to 1m²
- 270L multi-purpose processor
- Pressure hydrogenation
- Preparative HPLC system for isomeric separation
- Sophisticated isolation facilities for solids & liquids
- Clean room facilities for finished product handling
- Production up to batch sizes of around 200kg

