



Contract Manufacturing
Customized diagnostic products

Contract Manufacturing

Operating world-wide, Microcoat is a preferred supplier for well-known and market-leading diagnostic companies. We effectively offer the entire spectrum of methods from protein expression to final kit assembly as needed to deliver sophisticated and high-end diagnostic products. We focus on implementing a robust and cost-effective manufacturing process in order to ensure longtime secure product supply. Professional technology transfer is guaranteed either from your own or our development department in accordance to your demands.

Manufacturing resources and organization

- Highly trained project managers and technically experienced personnel
- Well-equipped facilities and cleanroom-like manufacturing environment
- Critical raw material qualification and pilot batch fabrication
- Production procedures based on validated and standardized methods
- Process validation and scale-up conducted with the aim of a continuous routine production

Proteins and protein-derived reagents

- Cloning, expression and downstream processing of recombinant proteins
- Production, purification and modification of monoclonal and polyclonal antibodies
- Conjugation of antibodies and proteins to tags, labels, enzymes and gold particles
- Introduction of functional groups and site-directed coupling



Functionalized solid phases for diagnostic testing

- Customized microplate coating using state-of-the-art technologies e.g. for ELISA and ELISpot assays
- Multiplexed dispensing of up to 96 different formulations into one microplate
- Tailor-made coating of magnetic beads, latex particles, microspheres and other supports
- Lateral flow test strip fabrication

Manufacturing of kits and kit components

- Production of buffers, standards, calibrators and conjugates
- Preparation of freeze-dried components
- Selection of standard kit formats: ELISA, ELISpot, bead-based assays, latex agglutination and lateral flow test kits
- Assistance in selecting suitable packing materials with respect to boxes, inlays, bottles, caps and labels
- Full-scale kit manufacturing with lot sizes up to 5000 kits per batch

Please contact manufacturing@microcoat.de for further information.

www.microcoat.de