





**Contract Manufacturing** 

Customized diagnostic products

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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.

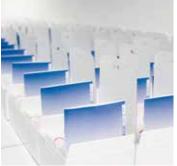
### Manufacturing resources and organization

- 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.