



Custom Development

From idea to product

Custom Development

Microcoat possesses unique expertise in immunological and molecular assay and product development. In close collaboration with our customers, we identify the ideal assay concept and develop it into a product. In addition to established test formats, we readily introduce new technologies and methodologies. Being part of interdisciplinary projects is a welcome challenge to us.

Immunological assays

- Sandwich, competitive and bridging ELISA formats
- Bead-based assays (magnetic separation, latex agglutination)
- Lateral flow tests and line blots
- Cell-based assays

Molecular assays

- Qualitative and quantitative PCR
- Primer and probe design
- RNA and DNA isolation protocols

Complementary development services

- Sample and matrix preparation protocols
- Adaptation of assays to new test matrices
- Depletion protocols
- Sample and reagent stabilization



Project management for market-ready products

- Milestone-driven project execution from feasibility to production
- Intense collaboration for a straightforward product realization
- Consulting in regulatory aspects (e.g. IVD)
- Production of prototypes and pilot lots (in our manufacturing department)
- Validation and stability studies
- Technical documentation

Please contact development@microcoat.de for further information.