



B2B Diagnostics

- Custom Development
- Contract Manufacturing
- Laboratory Services

Your diagnostics specialist

Microcoat offers a wide range of individual and specialized services for the diagnostic and pharmaceutical industry. In close cooperation with our customers, we aim for best performance building on a complete range of advanced technologies and uncompromised quality standards.

For pharmaceutical companies, we leverage our profound expertise in vitro diagnostics and assay development in order to become a preferred partner in early development, preclinical and clinical phases of drug development and patient monitoring.

For food safety, environmental testing and other specialized diagnostic fields, Microcoat aims to be the preferred OEM-partner for the development and manufacturing of reliable test components and kits.

Irrespective of what your individual needs and requirements are, benefit from the synergies of our broad method, technology and product portfolio and the in-depth know-how within our three business areas:



Custom Development



Contract Manufacturing



Laboratory Services



Custom Development

Development is a cornerstone of Microcoat's business. Our long-standing experience and up-to-date know-how in the field of diagnostics are incorporated into successful solutions to the most-challenging tasks. Starting from an idea, a concept or a prototype, our aim is to develop the final product according to your requirements. As an unbiased service partner, we will assist you in realizing your vision in the best possible way.

With our design-driven development process, we help you to create innovative solutions and to build better products which allow you to stand out from your competitors.

State of the art diagnostic tests

Our service comprises the custom development of diagnostic assays, test components and new test formats to market-ready kits. We guide you in the benchmarking and selection of the optimal methodology, test format and components. In cooperation with our manufacturing division, we offer the production of prototype kits, pilot lots and full scale production lots.

Our project management incorporates milestone planning as well as risk-based approaches and documentation in line with regulatory standards. Motivation and initiative along with a solution-oriented mode of work are the basis for innovation provided by our project teams.

Microcoat supports small companies and global enterprises seeking to outsource developmental business. We consult a broad expert network and contractors to individually meet the requirements for your product. We are also part of interdisciplinary projects and scientific collaborations with universities and non-profit institutions.

Select among the most suitable product concepts

The standards of human diagnostics are more and more applied in related fields such as food and feed testing, environmental testing, pest management or animal health. However, the specific test principle applied may differ from field to field. Microcoat provides the tools to easily switch between test formats in order to adapt a given test to the specific requirements defined by the context in which it is used.



Your benefits

Have access to mature technologies to speed up feasibility phase, time to market and to easily compare different realization options.

- Save time and resources by outsourcing your development
- Build on existing know-how in diagnostic test procedures
- Accelerate development by incorporating preexisting components
- Control risks by milestone-driven project management
- Profit from a smoothly transfer from development to routine production



Contract Manufacturing

Contract manufacturing is an established strategy in the diagnostic industry to realize technically demanding, specialized and economical products. If you are considering partial or complete outsourcing of your production, Microcoat is your perfect business partner.

As a globally operating contract manufacturer, we offer a large variety of diagnostic test kit and component manufacturing services. We guarantee professional technology transfer and the implementation of a reliable and cost-effective production process that ensures sustainable and competitive product supply.

Trustful business relations from product transfer to routine production

From the very beginning, your responsible project manager guides you through all steps of the transfer process, from evaluating your needs to the final implementation of the process. We consequently focus on establishing a robust and reproducible manufacturing process for your product. Optimization, scale-up and validation activities follow international quality standards.

After product launch, we guarantee long-term security of supply and continued close co-operation during the life-cycle of the product.

Profit from our comprehensive manufacturing capabilities

Microcoat harbors modern automated production lines supporting the complete range from small-scale prototyping over mid-scale pilot lots to large-scale diagnostic kit manufacturing. We rely on a highly motivated and skilled team with profound scientific background and technical experience. Efficient, controlled and well-documented workflows lead to highly reproducible and stable production processes.

Our production services cover the whole value chain required for diagnostic test manufacturing. Preparation of test components may start with cloning and protein expression. Since all subsequent purification and modification steps for major test components are performed in-house, we are able to control quality at all points of the production process. For innovative products we are committed to elaborating entirely new production concepts if state of the art procedures are not applicable.



Your benefits

Become part of a substantial business partnership in manufacturing of diagnostic products having a competent and world-wide operating contract manufacturer at your side!

- Make use of our well-equipped production facilities
- Request our expertise in protein chemistry and component production
- Rely on a professional technology transfer
- Get involved in process design and definition of all quality-relevant parameters
- Benefit from flexible and cost-effective realization concepts
- Plan for a long-term supply partnership



Laboratory Services

Microcoat's laboratory services have been continuously expanding over the past decade. We offer qualified services in the fields of companion diagnostics, biological safety, clinical development and system evaluation to the pharmaceutical and life science industries worldwide.

Qualified staff and modern technological equipment are the basis for high-quality data. Customer orientation, dedicated project leaders and short communication channels are our guarantors to meet highest expectations. Satisfied clients and long-lasting partnerships confirm our ability to execute even ambitious projects in a timely and cost-effectively manner.

Diagnostic services from early development to clinical trials and routine testing

Our service portfolio comprises biomarker testing and companion diagnostics, pre-clinical and clinical studies in line with EU and US guidelines. Customers benefit from our profound know-how in immune diagnostics, molecular diagnostics and clinical chemistry. Long-lasting experience in the development of diagnostic tests provides in-depth understanding for the transfer, the optimization and validation of your assay.

In the field of endotoxin and pyrogen detection, we conduct the full range of available test methods. We support process development and troubleshooting activities as well as routine in-process controls and final batch release in accordance with cGMP standards.

Benchmark your technology

Microcoat provides neutral, third party support for diagnostic platform developers. Whether you are developing new systems or want to improve existing ones, we are your partner for comparative studies, hardware and software evaluation as well as customer interface testing.

Gain flexibility by utilizing external resources

Microcoat offers support for clients' projects with respect to lab space, experienced staff and equipment in order to overcome internal resource constraints.



Your benefits

Service at Microcoat is understood as an integrated approach. Entrust your project to a company connecting all functions of a diagnostic supplier.

- Rely on long-lasting experience in clinical testing
- Save time by use of established routines
- Profit from short and direct communication lines
- Make use of comprehensive system know-how
- Benefit from reliable quality assurance procedures
- Gain flexibility for your own resource management

Quality is our passion

Quality is our top priority in fulfilling the objective of delivering products and services matching highest expectations. This is fully reflected in our quality policy, our quality management and quality assurance system.

Microcoat conducts development, manufacturing and services in compliance with the following standards:

- EN ISO 9001:2008
- EN ISO 13485:2012 + AC:2012
- GLP
- GCP/GCLP
- cGMP

Have a look ...

We welcome you to visit our site in Bernried. Customers who have previously accepted our invitation have been impressed by our modern facilities, interactive approach and our focused attention to their needs. For us, transparency and reliability form the basis for a long-lasting partnership.





