



Get in touch with Tentamus  
Our team of experts is ready to discuss your requirements

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Tentamus Pharma & Med  
Deutschland



## Our Services

Tentamus Pharma & Med Deutschland (TPMD) offers you the full range of testing for pharmaceutical products and medical devices. We support you in the whole process ranging from pre-clinical development to market batch release testing (e.g. clinical and pre-clinical samples, analytical method development and validation, stability studies, and release testing).

In respect to medical devices, we support your analytical needs for biocompatibility testing. We are pleased to be at our customer's disposal, no matter whether it is a start-up company or a multinational corporation.

TPMD consists of 3 laboratory sites in Germany being located in Bad Kissingen, Karlsruhe, and Oldenburg representing different areas of analytical services. We can handle biological samples up to Biosafety level 2, narcotics and high potential samples.

### BAD KISSINGEN SITE

- Physico-chemical testing
  - TOC, TLC, Karl Fischer method, complexometric titrations, & more
- Elemental analysis
  - ICP-MS, ICP-OES, AAS
- HPLC
  - UV-Vis, DAD, FLD, ECD, RI
- GC
  - Head space & direct injection, FID, MS, PND
- Methods of pharmaceutical technology
  - Dissolution, uniformity, friability, sieve analysis, visible and subvisible particles, & more
- LC-MS (coming soon)
  - Nitrosamines, cleaning validations, chemical characterization, & more
- Method development, validation, & transfer
- Climate storage according to ICH guidelines

### KARLSRUHE SITE

- Microbiological testing
  - Bioburden, Pyrogen determination (LAL and MAT)
- Testing of bacterial and eukaryote cell banks (in-vitro)
- Molecular biological testing
  - Identity, content, purity & impurity testing of nucleic acids and/or nucleic acid contaminants by Real-Time PCR
- Protein and amino acid Analysis
  - ASA, SDS-PAGE, Western Blot, ELISA
- Bioanalytical testing
  - Cell culture based bioassays, PK-Studies, RCA, adventitious agents, FACS
- Biocompatibility testing of medical devices in-vitro
  - Cytotoxicity, Irritation, Sensitization, Genotoxicity, Hemocompatibility
  - EO-Residues, Extractables & leachables

### OLDENBURG SITE

- Physico-chemical testing
  - Osmolality, TLC, Identity testing, Karl Fischer method, and more
- Ion chromatography
- HPLC
  - UV-Vis, DAD, ELSD, FLD
  - Assays and impurities testing
- GC
  - Head space and direct injection, FID
  - Assays, impurities, and residual solvents
- Methods of pharmaceutical technology
  - Dissolution, uniformity, and more
- Method development, validation, & transfer
- Climate storage according to ICH guidelines, individual conditions possible upon request
- QP-certified batch release analysis