

List of microbiological testing services

General microbiological testing of consumer goods, fitments, leather, textiles, plastics, toys and other materials according to German BVL/ ASU, German Food and Feed Code, Baumgart et. al., national and international standard procedures:

- Determination of total germ count:
aerobic mesophilic germs, hygienic indicators, Enterobacteriaceae, E. coli, Pseudomonas, Listeria, Staphylococcus, yeast (*Candida albicans*), dermatophytes and moulds, etc.
- Determination of content of surface germs, contact plates and swab method (German BVL/ ASU B 80.00-1, -2, -3, -5, DIN 10113-1, -2, -3, DIN ISO 18593)
- Microbiological testing of working cloth in food stuff industry (DIN 10524)
- Microbiological testing of consumer goods and fitments (Baumgart et al./ German BVL/ ASU)
- Differential cultivation and identification of microorganisms
- Analysis on pathogen microorganisms, indicator organisms and organisms that cause spoilage
- Analysis on microbiological contamination
- Determination of biobourden

Testing on mould

- Testing of consumer goods on mould (PFI 10/1002)
- Testing of transport and storage stability (materials and products, PFI 10/1001)
- Testing on mildewing (practical conditions, defined parameters)
- Testing on mould in buildings and production plants according to German health authority Baden-Württemberg (air samples, material samples)
- Determination of germs in air samples (by impact or sedimentation)
- Determination of fungal resistance of leather and leather products including *wet blue* and *wet white* (Tegewa –method, ASTM D 4576, PFI 10/1000)

Determination and assessment of antibacterial, antifungal respectively antimycotic and antimicrobial activity of agents, finishes, materials and products

- Agar diffusion test (DIN EN ISO 20645, DIN 58940-3, PFI 10/2000, AATCC 30, AATCC 147, SN 195920, SN 195921, BISFA, etc.)
- Challenge test (ASTM E 2149, ASTM E 2180, AATCC 100, AATCC 174, DIN EN ISO 16187, E DIN EN ISO 20150, DIN 20743, ISO 22196, JIS L 1902, SN 195924, ISO 13629-2, etc.)
- Suspension test (DIN EN 1040, DIN EN 1275, DIN EN 1276, DIN EN 1650, etc.)
- Evaluation of the action of microorganisms on plastics (ISO 846)
- Permanence of antimicrobial finish (DIN EN ISO 6330)
- Special procedures (DIN EN 1104, DIN EN 1174, DIN EN ISO 11737, etc.)

Special microbiological testing

- Analysis of disinfection (testing on bacteria and micro-fungi)
Checking of disinfection procedures
(according to German DGHM/ VAH/ RKI)
- Microbiological testing of non sterile products (Ph. Eur.)
- Preservation load test, challenge test (Ph. Eur.)
- Testing on satisfactory sterility and conservation (Ph. Eur.)
- Microbiological testing of contact lenses and care products
(DIN EN 14729, DIN EN ISO 14730)
- Microbiological product testing according to German bio waste ordinance,
Microbiological testing of compost
- Checking of hygiene for medical practice, surgery,
Checking of hygiene for podiatrists, orthopedic shoemakers, etc.
Checking of hygiene for fitness center, solarium
- Other microbiological testing on request.

Advice and training

- Microbiological manufacturing control and examination on hygiene for industry, public and private buildings
- Advice and quality assurance in your company
- Assistance while introducing the HACCP concept
- Risk analysis of biological contamination (RABC, DIN EN 14065)
- Training on hygiene aspects

Contract research

Custom made for you and your company we develop solutions in microbiological and hygienic questions.

Our laboratory is accredited according to [DIN EN ISO/ IEC 17025:2005](#).

Further Information

Dipl.-Biol. Michaela Wuertz
Laboratory Manager Microbiological Testing and Research
Tel.: +49 6331 2490 550
michaela.wuertz@pfi-germany.de