



Providing Sterilization & Laboratory Services
for the world's most innovative healthcare
companies.

Laboratory Services

Our Laboratory

In-House Excellence

From startup companies to large enterprises, the world's most innovative companies are working with Medistri. Medistri SA laboratory works according to ISO 17025 (current version). We specialize in carrying out a wide range of tests for the Pharmaceutical, MedTech & BioTech industries. Our test laboratory is accredited according to STS 504 and offers a selection of specialized services for helping healthcare companies releasing their products on the market reliably & faster.

Biocompatibility Testing

- ✓ Extractables & Leachables
- ✓ Cytotoxicity
- ✓ In Vitro Skin Irritation Testing
- ✓ In Vivo Testing (Sensitization, Irritation, Systemic Toxicity, Material-Mediated Pyrogenicity) *
- ✓ Hemocompatibility *

Chemical Analysis

- ✓ EO/ECH/EG Residues
- ✓ Screening of Volatile And Semi-Volatile Compounds
- ✓ Total Organic Carbon (TOC) Analysis
- ✓ Hydrocarbon Analysis
- ✓ Phthalates Analysis
- ✓ Bisphenols Analysis
- ✓ THC/CBD (Cannabinoids) Analysis
- ✓ Custom Analytical Method Development (E.G., Chitosan Analysis)
- ✓ Heavy Metals Analysis *
- ✓ Food Contact Testing (Overall And Specific Migration)

Material Analysis

- ✓ Particle Analysis
- ✓ Morpho-Chemical Characterization Of Particles By SEM-EDX *
- ✓ Polymer Identification And Analysis By FTIR

Microbiology Services

- ✓ Sterility Testing
- ✓ Bioburden (Microbial Load) Determination
- ✓ Identification Of Microorganisms
- ✓ Bacterial Endotoxin Testing
- ✓ Population Control/Enumeration
- ✓ Growth Promotion Testing
- ✓ Biological Indicators Incubation
- ✓ Environmental Monitoring

Packaging Integrity & Stability

- ✓ Leak Detection Via Internal Pressurization Underwater (Bubble Test)
- ✓ Leak Detection In Sealing Through Dye Penetration (Dye Test)
- ✓ Visual Inspection Of Seal Integrity
- ✓ Seal Strength Measurement Upon Opening (Seal Peel)
- ✓ Resistance To Internal Pressurization (Burst Test)
- ✓ Accelerated And Real-Time Aging Tests
- ✓ Environmental Conditioning

Cleaning & Reprocessing Validation

- ✓ Validation of Manual And Automatic Cleaning/Reprocessing Procedures
- ✓ Validation of Manual And Automatic Disinfection Processes
- ✓ Protein Quantification
- ✓ Hemoglobin Quantification

* Performed by a Medistri Partner



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The New Stack of Fully Integrated Services.

Laboratory Infrastructure

Chemistry

Biocompatibility & Toxicology

Sterility Assurance

Extractables & Leachables

Manufacturing Infrastructure

Product Assembly

Custom Packaging Solutions

Quality Control & CE Marking

Labelling & Distribution

Sterilisation Infrastructure

Steam Sterilization

EO Sterilization

Validation Infrastructure

Sterilization Validation

Cleaning Validation

Process Validation

Disinfection Validation

Packaging Validation

Transport Simulation

Sterile Barrier Integrity Testing

Medistri is continually innovating its **in-house** range of services. We're expanding our infrastructure to offer a completely integrated stack of services for healthcare companies. Organizations of every size — from startups to large enterprises use our suit of services to start, grow & optimize their business.

Within our site located at the heart of Switzerland, Medistri **combines all its technical infrastructure together** and places quality at the heart of its day-to-day operations. Allowing you to simplify your supply chain management, focus on growth & maintain excellence.



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& FDA Registered