



MICROBIAL SERVICES OVERVIEW

## Quality Control Microbiology Testing Solutions

### Industries and Markets Served:

- Biotech/pharmaceutical
- Cell and gene therapy
- Cleanroom facilities
- Compounding pharmacy
- Cosmetics
- Dialysis
- Food, beverage, and dairy
- Medical device
- Nutraceuticals and dietary supplements
- Personal care
- Radiopharmaceutical and nuclear pharmaceutical

Protecting the integrity of your products demands rigorous quality control, a critical task made easier with the help of a reliable partner. Our microbial testing portfolio was designed with you in mind, bringing together innovative, progressive, and flexible products and services that fuel confident and objective decision making on product quality and contamination control, ensuring the integrity of your microbial data and minimizing risk to patients. Our unparalleled portfolio keeps your manufacturing operations running efficiently, lowers your cost to manufacture, and protects your reputation.

**Endosafe® Bacterial Endotoxin Testing:** Our portfolio of FDA-licensed LAL products for both rapid and traditional bacterial endotoxin testing solutions reduces retest rates, decreases variability, and improves turnaround times, enabling prompt, confident decisions about product quality and safety.

**Celsis® Rapid Microbial Detection:** Celsis rapid ATP bioluminescence is quickly becoming the leading RMM for use in quality control for rapid sterility, in-process control testing, and in emerging therapeutic markets, such as mRNA-based therapies, cell therapies, gene therapies, and short shelf-life products. Rapid sterility results can be obtained in just six days, while bioburden results are available in just 24 hours.

**Accugenix® Microbial Identification and Strain Typing:** Accugenix microbial identification and strain typing services offer unparalleled accuracy providing identifications that you can rely on. We process more than 450,000 environmental isolates a year, which enables us to expand our bacterial, yeast, and fungal libraries with identifying microorganisms frequently recovered from QC labs around the world. This helps us maintain relevant and robust databases for all the industries we serve.

<a href="#">Endosafe Bacterial Endotoxin Testing</a>	<a href="#">Celsis Rapid Microbial Detection</a>	<a href="#">Accugenix Microbial Identification and Strain Typing</a>
<p><b>Endotoxin Testing Systems</b></p> <ul style="list-style-type: none"> <li>• Endosafe® nexgen-PTS</li> <li>• Endosafe® nexgen-MCS</li> <li>• Endosafe® Nexus</li> </ul> <p><b>FDA-Licensed LAL Reagents and Accessories</b></p> <ul style="list-style-type: none"> <li>• LAL Cartridge Technology</li> <li>• Kinetic Chromogenic LAL</li> <li>• Kinetic Turbidimetric LAL</li> <li>• Gel-Clot LAL</li> <li>• LAL Assay Accessories</li> </ul> <p><b>Endotoxin Measuring and Analysis Software</b></p> <ul style="list-style-type: none"> <li>• Endosafe® EndoScan-V</li> <li>• Charles River Cortex</li> </ul> <p><b>Contract Testing Services</b></p>	<p><b>Rapid Microbial Detection Applications</b></p> <p><b>Rapid Microbial Detection</b></p> <ul style="list-style-type: none"> <li>• Celsis Advance II</li> <li>• Celsis Accel®</li> <li>• Celsis Adapt</li> </ul> <p><b>Rapid Microbial Detection Reagents, Consumables &amp; Accessories</b></p> <ul style="list-style-type: none"> <li>• Celsis AMPiScreen® Pharma</li> <li>• Celsis AMPiScreen® AP</li> <li>• Celsis Adapt Cell</li> </ul> <p><b>Rapid Microbial Validation &amp; Implementation Support</b></p> <ul style="list-style-type: none"> <li>• Celsis® Complete - Sterility Validation &amp; Reports</li> <li>• Celsis® Advantage - Sterility Protocols &amp; Reports</li> </ul>	<p><b>Identification Services</b></p> <ul style="list-style-type: none"> <li>• AccuGENX-ID®</li> <li>• AccuPRO-ID®</li> </ul> <p><b>Strain Typing Services</b></p> <ul style="list-style-type: none"> <li>• AccuGENX-ST®</li> <li>• RiboPrinter®</li> </ul> <p><b>Accugenix® Customer Web Portal</b></p> <ul style="list-style-type: none"> <li>• Sample Submission</li> <li>• Environmental Monitoring Analysis</li> <li>• Identification Data Management</li> <li>• Tracking and Trending Identification Reports</li> </ul> <p><b>Identification Products</b></p> <ul style="list-style-type: none"> <li>• Axxess® MALDI-TOF System</li> <li>• Accugenix® Databases</li> </ul>

EVERY STEP OF THE WAY

## Facility Overview

We support developers and manufacturers from discovery through product release to deliver therapeutics to the patients who need them most. We know the immeasurable work that goes into creating vital treatments, and we know just how quickly that work can be undone with one failed quality check. As quality issues persist as a driving force behind product shortages, recalls, and FDA warning letters, it is imperative that we identify ways to improve the quality control process.

For more than 30 years, our Microbial Solutions team has continued to cultivate a portfolio of cutting-edge technologies and services that keep you ahead of the curve. Our solutions are designed to streamline your workflows, ensure the integrity of your test data, and allow you to complete your job with the confidence of total quality control.

With a growing list of laboratory locations in the Americas, Europe, and Asia Pacific, offering technical and customer support in multiple languages and time zones, we can help you harmonize your microbial QC testing needs with an array of products and services.

Our goal is to be the partner you trust to deliver solutions that reduce risk, build efficiency, and improve your bottom line. You can count on our team's commitment to in-depth, individual assistance – from our very first conversation to the delivery of service and beyond.

### Charleston, South Carolina, USA

- Manufacturing
- Technical Service
- Instrument Service
- Distribution
- Customer Service
- R&D
- Celsis Lab
- Demo/Training Facility
- Endosafe Lab

### Newark, Delaware, USA

- Accugenix Lab
- Technical Service
- Customer Service
- R&D

### Sao Paulo, Brazil

- Accugenix Lab
- Demo/Training Facility
- Customer Service
- Distribution
- Technical Service
- Instrument Service

### Dublin, Ireland

- Demo/Training Facility
- Accugenix Lab
- Technical Service
- Instrument Service
- Manufacturing
- Customer Service
- Celsis Lab
- Distribution

### Ecully, France

- Accugenix Lab
- Technical Service
- Demo/Training Facility
- Endosafe Lab
- Instrument Service
- Customer Service

### Kaarst, Germany

- Accugenix Lab
- Celsis Lab
- Endosafe Lab
- Manufacturing/Distribution
- Demo/Training Facility
- Customer/Technical Service

### Israel

- Distribution
- Customer Service

### Mumbai, India

- Accugenix Lab
- Technical Service
- Instrument Service
- Celsis Lab
- Customer Service
- Distribution
- Demo/Training Facility

### Shanghai, China

- Accugenix Lab
- Demo/Training Facility
- Customer Service
- Celsis Lab

### ZACB Zhanjiang, China

- Manufacturing
- Distribution
- Celsis Lab
- Instrument Service
- R&D
- Technical Service
- Customer Service

### Singapore

- Accugenix Lab
- Technical Service
- Endosafe Lab
- Distribution
- Customer Service
- Celsis Lab
- Demo/Training Facility
- Instrument Service

### Seoul, South Korea

- Accugenix Lab
- Technical Service
- Instrument Service
- Celsis Lab
- Customer Service
- Distribution
- Demo/Training Facility

### Melbourne, Australia

- Customer Service
- Accugenix Lab
- Instrument Service
- Distribution

