



SCOPE OF ACCREDITATION TO ISO 17034:2016

MICROBIOLOGICS, INC.  
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REFERENCE MATERIAL PRODUCER

Valid To: February 29, 2024

Certificate Number: 2655.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this Reference Material Producer for the production of Certified Reference Materials and Reference Materials of the following types:

| <b>Certified Reference Material/ Artifact or Matrix</b>   | <b>Concentration Ranges and Associated Uncertainty</b>  | <b>Test Analysis Measurement</b> | <b>Method/ Characterization Technique</b>  |
|---|---|----------------------------------|--|
| Microbial Reference Cultures  |   |                                  |  |
| Epover™ CRM Quantitative Certified Reference Materials for the Identity and Quantitation of Bacteria, Fungi and Yeast. (Lyophilized Format) | Range: (10 <sup>2</sup> to 10 <sup>8</sup> )<br>Uncertainty: within ± 0.6 of a log of the assigned value<br><br>N/A | Viability<br><br>Identity        | CFU enumeration using automated plating and counting<br><br>Phenotyping:<br>Manual and automated biochemical, serological; staining, microscopy, selective media |
| Lab-Elite™ CRM Qualitative Certified Reference Materials for Bacteria, Fungi and Yeast. (Lyophilized Format)                                | N/A   | Identity                         | Phenotyping:<br>Manual and automated biochemical, serological; staining, microscopy, selective media.  |

| Reference Material/<br>Artifact or Matrix  | Concentration<br>Ranges   | Test Analysis<br>Measurement   | Method/<br>Characterization<br>Technique  |
|--|---|--|---|
| <p>Microbial Reference Cultures</p> <p>Epower™, EZ-Accu Shot™, EZ-Accu Shot Select, EZ-CFU™, EZ-CFU™ One Step. Quantitative Reference Materials for the Identity and Quantitation of Bacteria, Fungi and Yeast. (Lyophilized Format)</p> <p>KWIK-STIK™, KWIK-STIK™ Plus, LYFO DISK™, UVBioTAG™ Qualitative Reference Materials for Bacteria, Fungi and Yeast. (Lyophilized Format)</p> <p>EZ-Accu Shot™ Starved Cells Quantitative Reference Materials for the Identity and Quantitation of Bacteria, Fungi and Yeast. (Lyophilized Format)</p> <p>EZ-PECTM™ Quantitative Reference Materials for the Identity and Quantitation of Bacteria, Fungi and Yeast. (Lyophilized Format)</p> | <p>(10 to 100) CFU per 0.1 ml on non-selective media</p> <p>N/A</p> <p>N/A</p> <p>(500 to 2000) CFU per pellet</p> <p>N/A</p> <p>2.0 x 10<sup>7</sup> to 9.9 x 10<sup>7</sup> CFU per pellet</p> <p>N/A</p> | <p>Viability</p> <p>Identity</p> <p>Identity</p> <p>Viability</p> <p>Identity</p> <p>Viability</p> <p>Identity</p> | <p>CFU enumeration using automated plating and counting</p> <p>Phenotyping: Manual and automated biochemical, serological; staining, microscopy, selective media</p> <p>Phenotyping: Manual and automated biochemical, serological; staining, microscopy, selective media</p> <p>CFU enumeration using automated plating and counting</p> <p>Phenotyping: Manual and automated biochemical, serological; staining, microscopy, selective media</p> <p>CFU enumeration using automated plating and counting</p> <p>Phenotyping: Manual and automated biochemical, serological; staining, microscopy, selective media</p> |



| Reference Material/<br>Artifact or Matrix   | Concentration<br>Ranges   | Test Analysis<br>Measurement                                      | Method/<br>Characterization<br>Technique  |
|---|---|---|---|
| <p>Microbial Reference Cultures</p> <p>EZ-Spore™ Quantitative Reference Materials for the Identity and Quantitation of Bacteria, Fungi and Yeast. (lyophilized format)</p> <p>Enumerated Mycoplasma Quantitative Reference Materials for the Identity and Quantitation of Bacteria. (liquid format)</p> | <p>10<sup>4</sup> CFU per pellet</p> <p>N/A</p> <p>10<sup>4</sup> CFU/ml</p> <p>N/A</p> | <p>Viability</p> <p>Identity</p> <p>Viability</p> <p>Identity</p> | <p>CFU enumeration using automated plating and counting</p> <p>Phenotyping: Manual and automated biochemical, serological; staining, microscopy, selective media</p> <p>Plating, visual assessment</p> <p>Phenotyping: Manual and automated biochemical, serological; staining, microscopy, selective media</p> |





# Accredited Reference Material Producer

A2LA has accredited

**MICROBIOLOGICS, INC.**  
*St. Cloud, MN*

This accreditation covers the specific materials listed on the agreed upon Scope of Accreditation. This producer meets the requirements of ISO 17034:2016 *General Requirements for the Competence of Reference Material Producers*. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.



Presented this 18<sup>th</sup> day of February 2022.

A blue ink signature of a person, written over a horizontal line.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2655.02  
Valid to February 29, 2024

*For reference materials to which this accreditation applies, please refer to the reference material producer's Scope of Accreditation.*