



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:

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

Reference Material/ Artifact or Matrix	Concentration Ranges	Test Analysis Measurement	Method/ Characterization 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 10⁷ to 9.9 x 10⁷ 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/ Artifact or Matrix	Concentration Ranges	Test Analysis Measurement	Method/ Characterization 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>10⁴ CFU per pellet</p> <p>N/A</p> <p>10⁴ 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 18th 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.