



SCOPE OF ACCREDITATION TO ISO 17034:2016

MICROBIOLOGICS, INC.
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REFERENCE MATERIAL PRODUCER

Valid To: February 28, 2022

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 in the following categories:

| Category and Sub-category of Certified Reference Material | Concentration Ranges and Associated Uncertainty | Test Analysis Measurement | Method/ Characterization Technique |
|---|---|---------------------------|---|
| Category B: Microbial Reference Cultures | | | |
| Epower™ 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. |

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

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



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 7th day of May 2020.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2655.02
Valid to February 28, 2022



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