



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

American Type Culture Collection (ATCC)
10801 University Blvd.
Manassas, VA 20110

Fulfills the requirements of

ISO 17034:2016

In the field of

REFERENCE MATERIAL PRODUCER

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R.D.L.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 17 March 2023

Certificate Number: AR-1384



This reference material producer is accredited in accordance with the recognized International Standard ISO 17034:2016.
This accreditation demonstrates technical competence for a defined scope and the operation of a reference material producer quality management system.

SCOPE OF ACCREDITATION TO ISO 17034:2016

American Type Culture Collection (ATCC)

10801 University Blvd., Manassas, VA 20110

Michelle Sherman 703-365-2700

msherman@atcc.org www.atcc.org

REFERENCE MATERIAL PRODUCER

Valid to: **March 17, 2023**

Certificate Number: **AR-1384**

Biological

Type of Reference Material	Description of the Reference Material Matrix or Artifact including the Property-Properties Characterized	Method or Techniques Used by the RMP Laboratory to Determine the Assigned Value (if Appropriate)
Reference Materials and Certified Reference Materials	Bacterial Cultures	<ul style="list-style-type: none"> • Gram staining and cell morphology • Colony description • Viability (culture, stain, and titer) • Purity testing • PCR and sequencing of selected gene(s) • bioMérieux api® assays • bioMérieux VITEK® 2 assays • bioMérieux VITEK® MS • Remel RapID™ assays • Biochemical assays • Antibiotic susceptibility testing • O antigen serotyping
Reference Materials and Certified Reference Materials	Fungal and Yeast Cultures	<ul style="list-style-type: none"> • Viability (culture and titer) • Cell and/or colony morphology • Purity • PCR and sequencing of selected gene(s) • bioMérieux VITEK® 2 assays • bioMérieux VITEK® MS • bioMérieux api® assays • Genetic marker testing • Sporulation efficiency testing



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Reference Materials and Certified Reference Materials	Viruses and Chlamydia	<ul style="list-style-type: none"> • PCR and sequencing • IFA • CEID₅₀ by hemagglutination • TCID₅₀ by CPE or IFA • Bacterial and fungal contaminant testing • Mycoplasma contamination testing
Reference Materials and Certified Reference Materials	Cell Cultures	<ul style="list-style-type: none"> • Viability (cell count and growth) • Growth properties • Morphology • Mycoplasma contamination testing • Bacterial and fungal contamination testing • PCR and sequencing of selected gene(s) • Human virus testing • COI assay (interspecies) • STR analysis (Intraspecies)
Reference Materials and Certified Reference Materials	Nucleic Acids	<ul style="list-style-type: none"> • PicoGreen® or RiboGreen® analysis • Agarose gel electrophoresis • OD₂₆₀/OD₂₈₀ ratio • PCR and sequencing of selected gene(s) • Inactivation of source organism (BSL 2 or higher) • Digital PCR for quantitative testing • qPCR for quantitative testing
Reference Materials and Certified Reference Materials	Protist Cultures	<ul style="list-style-type: none"> • Viability (cell count) • Cell morphology • Purity • PCR and sequencing of selected gene(s)

Notes:

1. Please contact the RMP organization for more information on CRM uncertainty values, U_{crm} values, and other specific lot values. Some of this information may also be available on the RMP's website.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. AR-1384.

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