Accredited Laboratory

A2LA has accredited

MICROBAC LABORATORIES, INC.

Sterling, VA

for technical competence in the field of

Biological Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 18th day of January 2019.

Senior Director, Accreditation Services
For the Accreditation Council
Certificate Number 3376.01
Valid to January 31, 2021

For the tests to which this accreditation applies, please refer to the laboratory's Biological Scope of Accreditation.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MICROBAC LABORATORIES, INC.
105 Carpenter Drive
Sterling, VA 20164
Jeanne Anderegg Phone: 703 925 0100

BIOLOGICAL

Valid To: January 31, 2021 Certificate Number: 3376.01

In recognition of the successful completion of the A2LA evaluation process, including an assessment of the laboratory's conformance with applicable requirements of the U.S. EPA FIFRA Good Laboratory Practice Standard (GLP), the U.S. FDA GLP Standard (21 CFR part 58), and Good Manufacturing Practice Standard (GMP), accreditation is granted to this laboratory to perform the following tests on suspensions, and hard and soft surfaces:

Test	**Test Method(s)**
Adventitious Virus Testing	ICH Q5A Sept. 1999, FDA-PTC mAb for Human Use, EMEA-CHMP-BWP 398498 (July 2008); ISO 22442-3 (2007) LU Reference
Antiviral /Antimicrobial Testing for Treated Textiles and Masks	Per AATCC100 and JIS L1902
Bactericidal Efficacy Carrier Test	Guidance Document on Quantitative Methods for Evaluating the Activity of Microbicides Used on Hard Non-Porous Surfaces
Basic Bactericidal Activity	EN 1040:2005
Basic Fungicidal Activity	EN 1275:2005
Condom Viral Barrier Testing	Per ISO 23409, ISO 25841, and FDA CDRH Guidance, June 29, 1995
Enteric Virus Testing for Sludge	Standard: EPA 40 CFR Part 503 and EPA/625/R-92/013, Appendix H and ASTM D4994-89

Test	**Test Method(s)**
EPA Water Purifier Challenge	EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers, Report of Task Force, Submitted April 1986, Revised 1987
Evaluation of Inactivators of Antimicrobial Agents	ASTM E1054
Fabric Sanitizer Test	ASTM E1153
Germicidal and Detergent Sanitizing Action of Disinfectants	AOAC 960.09
Germicidal Spray Test	AOAC 961.02
Healthcare Personnel Handwash	ASTM 1174
Helminth Ova Testing for Sludge	Standard: EPA 40 CFR Part 503 and EPA/625/R-92/013, Appendix I
Minimum Inhibitory Concentration Determinations	MicroBioTest Protocol "Minimum Inhibitory Concentration Determinations"
Preoperative Skin Preparation	ASTM E1173
Quantitative Carrier Test for Bactericidal Activity for Medical Instruments	EN 14561:2006
Quantitative Surface Suspension of Virucidal Activity for Veterinary Use	EN 14675:2015
Quantitative Suspension of Bactericidal Activity for Medical Area	EN 13727:2012
Quantitative Suspension of Fungicidal Activity for Medical Area	EN 13624:2003
Quantitative Suspension of Mycobactericidal Activity in Medical Area	EN 14348:2005
Quantitative Suspension of Virucidal Activity Against Bacteriophages for Institutional Use	EN 13610:2002
Sporicidal Effectiveness	AOAC 966.04
Surgical Scrub	ASTM 1115

Test	**Test Method(s)**
Tuberculocidal Activity of a Germicidal Spray	AOAC 961.02
Tuberculocidal Activity of Disinfectants	AOAC 965.12
Use Dilution Test	AOAC 955.14, 955.15, 964.02
Viral Clearance Studies	ICH Q5A Sept 1999, FDA-PTC mAb for Human Use, EMEA-CHMP-BWP 398498 (July 2008); ISO 22442-3 (2007) LU reference
Virucidal Efficacy Test on Hard Surface	ASTM E1053
Virucidal Finger Pads	ASTM E1838
Virucidal Quantitative Suspension Test for Human Medicine	EN 14476:2013
Virucidal Suspension	ASTM E1052
Virucidal Whole Hands	ASTM E2011
Viral Barrier Test for Medical Device Sheath	FDA CDRH "Guidance for Manufacturers Seeking Marketing Clearance of Ear, Nose, and Throat Endoscope Sheaths Used as Protective Barriers (March 12, 2000)"