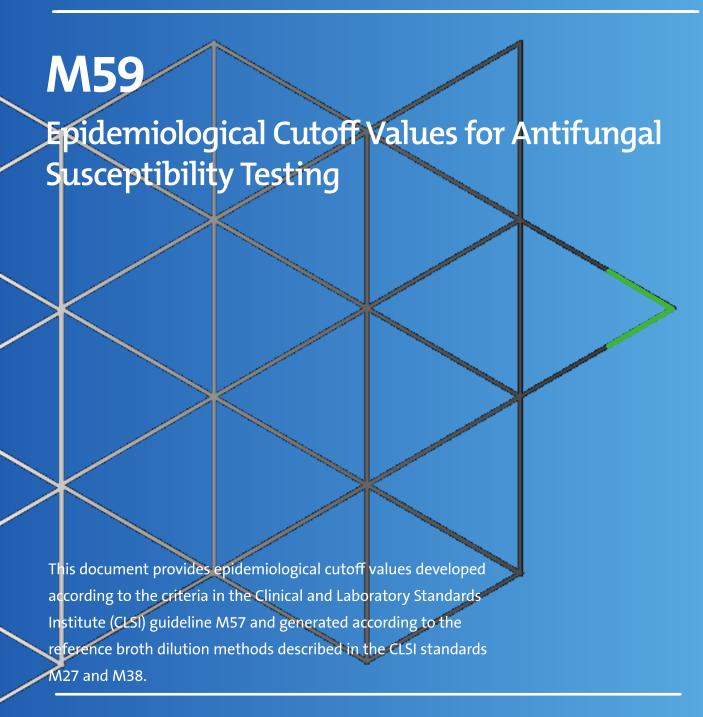


3rd Edition



A CLSI supplement for global application.

Clinical and Laboratory Standards Institute

Setting the standard for quality in medical laboratory testing around the world.

The Clinical and Laboratory Standards Institute (CLSI) is a not-for-profit membership organization that brings together the varied perspectives and expertise of the worldwide laboratory community for the advancement of a common cause: to foster excellence in laboratory medicine by developing and implementing medical laboratory standards and guidelines that help laboratories fulfill their responsibilities with efficiency, effectiveness, and global applicability.

Consensus Process

Consensus—the substantial agreement by materially affected, competent, and interested parties—is core to the development of all CLSI documents. It does not always connote unanimous agreement but does mean that the participants in the development of a consensus document have considered and resolved all relevant objections and accept the resulting agreement.

Commenting on Documents

CLSI documents undergo periodic evaluation and modification to keep pace with advances in technologies, procedures, methods, and protocols affecting the laboratory or health care.

CLSI's consensus process depends on experts who volunteer to serve as contributing authors and/or as participants in the reviewing and commenting process. At the end of each comment period, the committee that developed the document is obligated to review all comments, respond in writing to all substantive comments, and revise the draft document as appropriate.

Comments on published CLSI documents are equally essential and may be submitted by anyone, at any time, on any document. All comments are managed according to the consensus process by a committee of experts.

Appeal Process

When it is believed that an objection has not been adequately considered and responded to, the process for appeal, documented in the CLSI *Standards Development Policies and Processes*, is followed.

All comments and responses submitted on draft and published documents are retained on file at CLSI and are available upon request.

Get Involved—Volunteer!

Do you use CLSI documents in your workplace? Do you see room for improvement? Would you like to get involved in the revision process? Or maybe you see a need to develop a new document for an emerging technology? CLSI wants to hear from you. We are always looking for volunteers. By donating your time and talents to improve the standards that affect your own work, you will play an active role in improving public health across the globe.

For additional information on committee participation or to submit comments, contact CLSI.

Clinical and Laboratory Standards Institute 950 West Valley Road, Suite 2500 Wayne, PA 19087 USA P: +1.610.688.0100 F: +1.610.688.0700 www.clsi.org standard@clsi.org

This is a preview. Click here to purchase the full publication.

Epidemiological Cutoff Values for Antifungal Susceptibility Testing

Gary W. Procop, MD, MS Philippe J. Dufresne, PhD, RMCCM Elizabeth Berkow, PhD Mariana Castanheira, PhD Jeff Fuller, PhD, FCCM, D(ABMM) Kimberly E. Hanson, MD, MHS Nicole M. Holliday, BA David H. Pincus, MS, RM/SM(NRCM), SM(ASCP) Audrey N. Schuetz, MD, MPH, D(ABMM) Paul E. Verweij, MD, FECMM Nathan P. Wiederhold, PharmD Adrian M. Zelazny, PhD, D(ABMM)

Abstract

Clinical and Laboratory Standards Institute document M59—*Epidemiological Cutoff Values for Antifungal Susceptibility Testing* includes epidemiological cutoff values (ECVs) and quality control tables developed following the guidance in CLSI document M57.¹ These ECVs are valid only when they are developed in accordance with CLSI document M57¹ and when minimal inhibitory concentrations or minimal effective concentrations are generated according to the reference broth dilution methods described in CLSI documents M27² and M38.³ Users should replace previously published tables with these new tables. Changes in the tables since the previous edition appear in boldface type.

Clinical and Laboratory Standards Institute (CLSI). *Epidemiological Cutoff Values for Antifungal Susceptibility Testing*. 3rd ed. CLSI supplement M59 (ISBN 978-1-68440-080-5 [Print]; ISBN 978-1-68440-081-2 [Electronic]). Clinical and Laboratory Standards Institute, 950 West Valley Road, Suite 2500, Wayne, Pennsylvania 19087 USA, 2020.

The Clinical and Laboratory Standards Institute consensus process, which is the mechanism for moving a document through two or more levels of review by the health care community, is an ongoing process. Users should expect revised editions of any given document. Because rapid changes in technology may affect the procedures, methods, and protocols in a standard or guideline, users should replace outdated editions with the current editions of CLSI documents. Current editions are listed in the CLSI catalog and posted on our website at www.clsi.org. If you or your organization is not a member and would like to become one, or to request a copy of the catalog, contact us at: Telephone: +1.610.688.0100; Fax: +1.610.688.0700; E-Mail: customerservice@clsi.org; Website: www.clsi.org.



CLINICAL AND LABORATORY STANDARDS INSTITUTE®

This is a preview. Click here to purchase the full publication.

Copyright [©]2020 Clinical and Laboratory Standards Institute. Except as stated below, any reproduction of content from a CLSI copyrighted standard, guideline, companion product, or other material requires express written consent from CLSI. All rights reserved. Interested parties may send permission requests to permissions@clsi.org.

CLSI hereby grants permission to each individual member or purchaser to make a single reproduction of this publication for use in its laboratory procedures manual at a single site. To request permission to use this publication in any other manner, e-mail permissions@clsi.org.

Suggested Citation

CLSI. *Epidemiological Cutoff Values for Antifungal Susceptibility Testing*. 3rd ed. CLSI supplement M59. Wayne, PA: Clinical and Laboratory Standards Institute; 2020.

Previous Editions: April 2016, January 2018

M59-Ed3 ISBN 978-1-68440-080-5 (Print) ISBN 978-1-68440-081-2 (Electronic) ISSN 1558-6502 (Print) ISSN 2162-2914 (Electronic)

Volume 40, Number 7

This is a preview. Click here to purchase the full publication.

Committee Membership

Subcommittee on Antifungal Susceptibility Tests

Gary W. Procop, MD, MS Chairholder Cleveland Clinic USA	Jeff Fuller, PhD, FCCM, D(ABMM) London Health Sciences Centre Canada	Audrey N. Schuetz, MD, MPH, D(ABMM) Mayo Clinic USA
	Kimberly E. Hanson, MD, MHS	
Philippe J. Dufresne, PhD, RMCCM	University of Utah and ARUP	Paul E. Verweij, MD, FECMM
Vice-Chairholder	Laboratories	Radboud University Medical Center
Institut national de santé publique du	USA	Netherlands
Québec		
Canada	Nicole M. Holliday, BA Thermo Fisher Scientific	Nathan P. Wiederhold, PharmD University of Texas Health Science
Camille Hamula, PhD, D(ABMM)	USA	Center at San Antonio
Committee Secretary		USA
Saskatoon Health Region/University	David H. Pincus, MS, RM/SM(NRCM),	
of Saskatchewan	SM(ASCP)	Adrian M. Zelazny, PhD, D(ABMM)
Canada	bioMérieux, Inc. USA	USA
Elizabeth Berkow, PhD		
Centers for Disease Control and		
Prevention		
USA		

Working Group on Antifungal Epidemiological Cutoff Values

Shawn R. Lockhart, PhD, D(ABMM), F(AAM) Chairholder Centers for Disease Control and	Barbara D. Alexander, MD, MHS Duke University Medical Center USA	Kerian K. Grande Roche, PhD FDA Center for Drug Evaluation and Research USA
Prevention USA	Elizabeth Berkow, PhD Centers for Disease Control and	Kimborly E. Honson, MD, MHS
USA	Prevention	Kimberly E. Hanson, MD, MHS University of Utah and ARUP
Philippe J. Dufresne, PhD, RMCCM Vice-Chairholder	USA	Laboratories USA
Institut national de santé publique du	Jeff Fuller, PhD, FCCM, D(ABMM)	
Québec Canada	London Health Sciences Centre Canada	John D. Turnidge, MD, BS, FRACP, FASM, FRCPA The University of Adelaide
Nathan P. Wiederhold, PharmD Committee Secretary	Mahmoud A. Ghannoum, PhD, FIDSA, MBA	Australia
University of Texas Health Science Center at San Antonio	Case Western Reserve University USA	Thomas J. Walsh, MD, FIDSA, FAAM, FECMM
USA		Weill Cornell Medicine of Cornell University and New York Presbyterian Hospital USA