DIN EN ISO 20776-1:2020-12 (E)

Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test devices - Part 1: Broth micro-dilution reference method for testing the in vitro activity of antimicrobial agents against rapidly growing aerobic bacteria involved in infectious diseases (ISO 20776-1:2019, including Corrected version 2019-12)

Contents

Page

European foreword 3

Foreword 4

Introduction 5

1 Scope 6

2 Normative references 6

3 Termsanddefinitions 6

4 Test procedures 8
4.1 General 8
4.2 Medium 8
4.3 Antimicrobial agents 8
4.3.1 General 8
4.3.2 Preparation of stock solutions 8
4.3.3 Preparation of working solutions 9
4.3.4 Preparation of micro-dilution trays 9
4.3.5 Storage of micro-dilution trays 9
4.4 Preparation of inoculum 10
4.4.1 General 10
4.4.2 Broth culture method 10
4.4.3 Direct colony suspension method 10
4.5 Inoculation of micro-dilution trays 10
4.6 Incubation of micro-dilution trays 11
4.7 Reading results 11
4.8 Special test situations where the MIC result might give unreliable results 11

5 Quality control 11

Annex A (informative) Requirements for Mueller-Hinton broth 13

Annex B (informative) Solvents and diluents for making stock solutions of selected antimicrobial agents 16

Annex C (informative) Preparation of working dilutions of antimicrobial agents for use in broth dilution susceptibility tests 21

Annex D (informative) Special test situations 22

Bibliography 23