

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 Terms and definitions	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