

Second edition  
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**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**

*Sensibilité in vitro des agents infectieux et évaluation des  
performances des dispositifs pour antibiogrammes — 20776-1-2019*

*Partie 1: Méthode de référence de microdilution en bouillon pour la  
détermination de la sensibilité in vitro aux agents antimicrobiens des  
bactéries aérobies à croissance rapide impliquées dans les maladies  
infectieuses*



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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 212, *Clinical laboratory testing and in vitro diagnostic test systems*.

This second edition cancels and replaces the first edition (ISO 20776-1:2006), which has been technically revised.

The main changes compared to the previous edition are as follows:

- revised to a broth micro-dilution only performance document;
- removal of S, I, R breakpoint definitions and information;
- moved embedded tables to annexes;
- removed quality control range table;
- updated table (now [Annex B](#)) on solvents and diluents for antimicrobial agents used globally;
- updated information on special culture media and method performance for specific currently used antimicrobial agents.

A list of all parts in the ISO 20776 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

This corrected version of ISO 20776-1:2019 incorporates the following correction:

- Correction of the diluent pH value for ampicillin from 8,0 to 6,0 in [Annex B](#).