

AS 4276.3:2021



# Water microbiology

**Method 3: Enumeration of heterotrophic microorganisms — Pour plate, spread plate, membrane filtration and most probable number techniques**



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The following are represented on Committee FT-020:

- ACT Health Directorate
- Australian Society for Microbiology Incorporated
- Australian Water Association
- Chemistry Australia
- National Association of Testing Authorities Australia
- National Measurement Institute
- NSW Health
- PathWest Laboratory Medicine WA
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## **Method 3: Enumeration of heterotrophic microorganisms — Pour plate, spread plate, membrane filtration and most probable number techniques**

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AS 4276.3.1—1995 revised and redesignated as AS/NZS 4276.3.1:2007.  
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## Preface

This Standard was prepared by the Standards Australia Committee, FT-020, Water Microbiology, to supersede AS/NZS 4276.3.1—2007, *Water microbiology, Method 3.1: Heterotrophic colony count methods — Pour plate method using yeast extract agar*, and AS/NZS 4276.3.2—2003, *Water microbiology, Method 3.2: Heterotrophic colony count methods — Plate count of water containing biocides*.

The objective of this document is to establish a standard method for the examination of water, with or without biocides, for the enumeration of heterotrophic microorganisms that covers a choice of possible techniques. The choice of procedure and medium will depend on the sample to be tested and the application of the results.

The major changes in this edition are as follows:

- (a) Combine the methods of AS/NZS 4276.3.1—2007 with AS/NZS 4276.3.2—2003.
- (b) Update culture media and reagents.
- (c) Update reference cultures.
- (d) Update the normative and informative references.

The term “informative” is used in Standards to define the application of the appendices to which it applies. An “informative” appendix is only for information and guidance.

# Contents

<b>Preface</b> .....	<b>ii</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope and general</b> .....	<b>1</b>
1.1 Scope .....	1
1.2 Normative references .....	1
1.3 Terms and definitions .....	1
<b>2 Principle</b> .....	<b>2</b>
<b>3 Samples</b> .....	<b>2</b>
3.1 Laboratory samples .....	2
3.2 Dilutions .....	2
<b>4 Apparatus</b> .....	<b>2</b>
<b>5 Culture media and diluents</b> .....	<b>3</b>
<b>6 Quality assurance</b> .....	<b>3</b>
6.1 General .....	3
6.2 Performance testing of culture media .....	3
6.3 Reference cultures .....	4
6.3.1 General .....	4
6.3.2 Positive culture .....	4
<b>7 Techniques</b> .....	<b>4</b>
7.1 Pour plate .....	4
7.1.1 General .....	4
7.1.2 Procedure .....	4
7.1.3 Inoculation and pouring of plates .....	5
7.1.4 Incubation .....	5
7.1.5 Counting of colonies .....	5
7.1.6 Calculation of results .....	5
7.2 Spread plate .....	5
7.2.1 General .....	5
7.2.2 Procedure .....	6
7.2.3 Incubation .....	6
7.2.4 Counting of colonies .....	6
7.2.5 Calculation of results .....	6
7.3 Spiral plate .....	6
7.3.1 General .....	6
7.3.2 Procedure .....	6
7.3.3 Incubation .....	6
7.3.4 Reading of results .....	6
7.3.5 Calculation of results .....	6
7.4 Membrane filtration .....	7
7.4.1 General .....	7
7.4.2 Procedure .....	7
7.4.3 Incubation .....	7
7.4.4 Counting of colonies .....	7
7.4.5 Calculation of results .....	7
7.5 Most probable number (MPN) .....	7
7.5.1 General .....	7
7.5.2 Procedure .....	7
7.5.3 Reading of results .....	7
7.5.4 Calculation of results .....	8
<b>8 Test report</b> .....	<b>8</b>
<b>Appendix A (informative) Flow diagrams</b> .....	<b>9</b>

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