

Australian Standard®

Water microbiology

Method 1: General information and procedures

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee on Water Microbiology, FT/20, as part of a series of methods for the microbiological examination of waters for domestic and industrial use. The Standard provides, in part, information previously given in AS 1095.4.1.1—1981.

This Standard is the result of a consensus among Australian and New Zealand representatives on the Joint Committee to produce it as an Australian Standard.

Microbiological methods for the dairy industry—Methods for the examination of water and air—Microbiological examination of water—Scope and general requirements.

The Standard provides information on precautions, procedures and techniques which are commonly used in microbiological laboratories. More detailed instructions are given for those procedures, e.g. preparation of dilutions, estimation of most probable number of microorganisms, membrane filtration, which are used in many of the methods in this series. The Standard also discusses the types of waters that the methods are intended to examine.

The methods are considered to be reference methods against which other methods may be evaluated.

METHOD

1 SCOPE This Standard sets out general information on the microbiological examination of water using the methods in this series.

2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

2031	Selection of containers and preservation of water samples for chemical and microbiological analysis
2031.2	Part 2: Microbiological
2182	Portable electrically heated steam sterilizers (downward displacement pressure steam type)
2192	Sterilizers—Steam—Downward displacement
2243	Safety in laboratories (all Parts)
2252	Biological safety cabinets
2252.1	Part 1: Biological safety cabinets (Class I) for personnel protection
2252.2	Part 2: Laminar flow biological safety cabinets (Class II) for personnel and product protection