

Australian Standard™

**Laboratory glassware—Narrow-necked
boiling flasks**



This Australian Standard was prepared by Committee CH-001, Laboratory Glassware and Related Apparatus. It was approved on behalf of the Council of Standards Australia on 31 October 2001 and published on 4 January 2002.

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PREFACE

This Standard was prepared by the Standards Australia Committee CH-001, Laboratory Glassware and Related Apparatus. This Standard is identical with and has been reproduced from ISO 1773:1997, *Laboratory glassware—Narrow-necked boiling flasks*.

The objective of this Standard is to specify requirements and dimensions for an internationally acceptable series of conical flasks, flat-bottom and round-bottom flasks for general laboratory purposes.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source text, 'this International Standard' should read 'this Australian Standard'.
- (c) A full point substitutes for a comma when referring to a decimal marker.
- (d) Substitute 'mL' for 'ml' wherever it appears.
- (e) The ISO document listed as a normative reference in Clause 2 has not been adopted as an Australian Standard.

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AUSTRALIAN STANDARD

Laboratory glassware - Narrow-necked boiling flasks

1 Scope

This International Standard specifies requirements and dimensions for an internationally acceptable series of conical flasks and of flat-bottom and round-bottom flasks for general laboratory purposes. The flasks are provided for

- direct use in a laboratory, fitting together with other equipment for general laboratory purposes;
- further work up to other products.

NOTE — Annex A lists additional International Standards for other general-purpose laboratory glassware.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3585:1991, *Borosilicate glass 3.3 — Properties*

3 Conical flasks

3.1 Series of nominal capacity

The series of nominal capacities of conical flasks is as follows (given in millilitres):

25 - 50 - 100 - 250 - 500 - 1 000 - 2 000 - 3 000 - 5 000

3.2 Nominal capacity

The nominal capacity of a flask is the value, selected from the series given in 3.1, which is closest to but not larger than the actual volume to the base of neck.

NOTE — The body dimensions recommended in table 1 take this requirement into account, and as far as possible are in accordance with the current production of flasks.

3.3 Material

Flasks shall be made from borosilicate glass 3.3 in accordance with ISO 3585, and shall be free from visible defects and free from internal stress which would impair the performance of the flask.