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AS 2379—1980  
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# Australian Standard 2379—1980

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## LABORATORY GLASSWARE GLASS PETRI DISHES



**STANDARDS ASSOCIATION OF AUSTRALIA**

*Incorporated by Royal Charter*



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**THE FOLLOWING INDUSTRIAL, SCIENTIFIC AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:**

**Australian Medical Association  
Chambers of Commerce (N.S.W, Vic.)  
Chief Secretary's Department, Victoria  
Commonwealth Serum Laboratories  
Confederation of Australian Industry  
CSIRO, Division of Applied Physics  
Department of Agriculture, N.S.W.  
Department of Science and the Environment  
Government Chemical Laboratories, W.A.  
National Standards Commission  
Railways of Australia Committee  
Royal Australian Chemical Institute  
University of Sydney  
Victorian State Laboratories**

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**This standard, prepared by Committee CH/1, Laboratory Glassware and Related Apparatus, was approved on behalf of the Council of the Standards Association of Australia on 10 June 1980, and was published on 1 September 1980.**

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*This standard was issued in draft form for public review as DR 79121.*

**AUSTRALIAN STANDARD**

# **GLASS PETRI DISHES**

**AS 2379—1980**

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## PREFACE

This standard was prepared by the Association's Committee on Laboratory Glassware and Related Apparatus, under the direction of the Chemical Standards Board, to supersede AS R11—1962, Petri Dishes. Whereas AS R11 was BS 611: 1952 endorsed without amendment, this standard is based on the 1978 edition of BS 611: Part 1: Glass Petri Dishes. The main difference between this standard and AS R11 is that all reference to steel Petri dishes has been deleted.

This standard requires reference to the following standards:

- AS 1449    Stainless and Heat-resisting Steel Plate, Sheet and Strip  
            (Coils and Cut Lengths)
- BS 3978    Water for Laboratory Use

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# STANDARDS ASSOCIATION OF AUSTRALIA

## Australian Standard for GLASS PETRI DISHES

**1 SCOPE.** This standard specifies requirements for glass Petri dishes suitable for general laboratory and bacteriological use.

NOTE: Recommendations for metal covers which can be used with Petri dishes are included in Appendix A.

**2 DEFINITIONS.** For the purpose of this standard, the following definitions apply:

**2.1 Petri dish**—the complete article comprising both components: lid and basin.

**2.2 Lid**—the component of the Petri dish with the greater diameter.

**2.3 Basin**—the component of the Petri dish with the lesser diameter.

**2.4 Cover**—a metal component to cover either the lid or basin of a glass Petri dish.

**3 TYPES.** Glass Petri dishes may be made from either pressed glass or blown glass.

### **4 CONSTRUCTION.**

**4.1 Material.** Petri dishes shall be made from glass, which shall be as free as possible from colour, striae, bubbles and other defects liable to interfere with bacteriological examinations, and they shall be well annealed.

**4.2 Dimensions.** Petri dishes shall be circular and shall conform to the dimensions specified in Table 1 appropriate to their type. Both lids and basins are illustrated diagrammatically in Figs 1 and 2.

The sides of both the basin and the lid may have an outward taper of up to 5° from the vertical.

**4.3 Departure from Flatness of Bases.** The bases of both the basin and the lid shall be approximately plane surfaces, and the thickness of the glass shall be as uniform as possible so that the variation in flatness of the inner and outer surfaces shall not exceed 0.5 mm.

Neither the basin nor the lid shall be liable to rock when placed base downwards on a smooth, flat horizontal surface.

**4.4 Finish of Edges.** The edges of the lid and the basin shall be smooth, preferably firepolished, and approximately parallel with the bases.