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Laboratory glassware — Petri dishes

Verrerie de laboratoire — Boîtes de Petri

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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).

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This document was prepared by Technical Committee ISO/TC 48, *Laboratory equipment,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 332, *Laboratory equipment,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 13132:2011), which has been technically revised.

The main changes are as follows:

— additional series C for class HGB 3 has been added;

— new dimensions have been added to the series A;

— thermal shock resistance has been added.

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.

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Laboratory glassware — Petri dishes

1 Scope

This document specifies requirements and tests for glass Petri dishes intended for general laboratory purposes and microbiological work.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 718, *Laboratory glassware — Thermal shock and thermal shock endurance — Test methods*

ISO 719, *Glass — Hydrolytic resistance of glass grains at 98 °C — Method of test and classification*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

4 Types

Two types of Petri dishes are specified in this document:

— Type 1 — Thick-walled Petri dishes

— Type 2 — Thin-walled Petri dishes

5 Nominal sizes and series

5.1 Nominal sizes

Petri dishes shall have one of the following nominal sizes:

40 mm, 50 mm, 60 mm, 80 mm, 90 mm, 100 mm, 120 mm, 150 mm, 180 mm or 200 mm.

NOTE For Series B, nominal sizes refer to the external diameter of the bottom dish.

5.2 Series

Petri dishes shall comply with the following dimensional requirements:

— For Series A, the dimensions shall be in accordance with Table 1 (only for Class HGB 1 or HGB 2).

— For Series B, the dimensions shall be in accordance with Table 2 (only for Class HGB 1 or HGB 2).

— For Series C, the dimensions shall be in accordance with Table 3 (only for Class HGB 3).

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