



SLOVENSKI STANDARD
SIST EN ISO 24998:2009
01-februar-2009

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Plastics laboratory ware - Single use Petri dishes for microbiological procedures (ISO 24998:2008)

Laborgeräte aus Kunststoff - Einmal-Petrischalen für mikrobiologische Verfahren (ISO 24998:2008)

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Matériel de laboratoire en matière plastique - Boîtes de Petri à usage unique pour méthodes microbiologiques (ISO 24998:2008)

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Ta slovenski standard je istoveten z: EN ISO 24998:2008

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71.040.20	Laboratorijska posoda in aparati	Laboratory ware and related apparatus
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EUROPEAN STANDARD

EN ISO 24998

NORME EUROPÉENNE

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November 2008

ICS 71.040.20

English Version

Plastics laboratory ware - Single-use Petri dishes for microbiological procedures (ISO 24998:2008)

Matériel de laboratoire en matière plastique - Boîtes de
Petri à usage unique pour méthodes microbiologiques (ISO
24998:2008)

Laborgeräte aus Kunststoff - Einmal-Petrischalen für
mikrobiologische Verfahren (ISO 24998:2008)

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Foreword

This document (EN ISO 24998:2008) has been prepared by Technical Committee ISO/TC 48 "Laboratory glassware and related apparatus" in collaboration with Technical Committee CEN/TC 332 "Laboratory equipment", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2009, and conflicting national standards shall be withdrawn at the latest by May 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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INTERNATIONAL STANDARD

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First edition
2008-11-15

Plastics laboratory ware — Single-use Petri dishes for microbiological procedures

*Matériel de laboratoire en matière plastique — Boîtes de Petri à usage
unique pour méthodes microbiologiques*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 24998 was prepared by Technical Committee ISO/TC 48, *Laboratory equipment*, Subcommittee SC 6, *Laboratory and volumetric ware*.

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Plastics laboratory ware — Single-use Petri dishes for microbiological procedures

1 Scope

This International Standard specifies requirements and test methods for plain, single-use Petri dishes for microbiological use.

This International Standard does not apply to products of similar design which may be used for cell or tissue culture purposes. Neither does it apply to dishes supplied ready loaded with microbiological media.

NOTE Petri dishes are used for microbiological routine purposes in very large numbers and consequently, are often handled by robotic equipment. Users of such equipment should satisfy themselves that the Petri dishes of any given manufacturer are suitable for use with such equipment and, if obtained from several sources, are compatible if mixed.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

Petri dish

combination of a dish with an accompanying loose-fitting lid, intended to preserve the microbiological integrity of its unused or in-use enclosed, interior space

2.2

dish

shallow, cylindrical or square, open-topped container comprising a plane base with an integral outer wall

NOTE The dish can be subdivided with internal dividers to form separate compartments.

2.3

lid

cover of similar shape to, and larger size than the dish, over which it is placed, inverted, to enclose a working volume

NOTE The underside of the lid can incorporate one or more small protuberances (venting protrusions) to facilitate free circulation of environmental gases. Lids without such protrusions are designed to impede such free circulation.

3 Principle of use

Under environmentally controlled conditions, selected to avoid introduction of unwanted micro-organisms, the lid of the Petri dish is lifted and a quantity of microbiologically nutrient medium introduced (poured) into the dish. The dish is recovered and allowed to equilibrate with a predetermined environment.

Under similarly suitable conditions, the lid is lifted again and a sample under investigation is then introduced onto the medium in the dish. Following closure and a period of storage under predetermined conditions, growth of any microorganisms originating from the sample may have occurred, enabling further study.

NOTE Attention is drawn to potential national or regional regulations in respect of safe and environmentally compatible disposal of used Petri dishes.