



SLOVENSKI STANDARD

oSIST prEN 12469-5:2024

01-september-2024

Biološke varnostne omare - 5. del: Vgradnja, prevzemni postopki in rutinsko preskušanje

Biological safety cabinets - Part 5: Installation, commissioning and routine testing

Biologische Sicherheitswerkbänke - Teil 5: Aufstellung, Inbetriebnahme und Wartung

Postes de sécurité biologique - Partie 5: Installation, mise en service et essais de routine

Ta slovenski standard je istoveten z: prEN 12469-5

ICS:

07.080 Biologija. Botanika. Zoologija Biology. Botany. Zoology

07.100.01 Mikrobiologija na splošno Microbiology in general

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
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June 2024

ICS 07.080; 07.100.01

Will supersede EN 12469:2000 (PART)

English Version

Biological safety cabinets - Part 5: Installation, commissioning and routine testing

Biotechnologie - Critères de performance pour les
postes de sécurité microbiologique

Biotechnik - Leistungskriterien für mikrobiologische
Sicherheitswerkbänke

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 332.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (prEN 12469-5:2024) has been prepared by Technical Committee CEN/TC 332 “Laboratory Equipment”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document, together with prEN 12469-1:2024, prEN 12469-2:2024, prEN 12469-3:202X and prEN 12469-4:202X, will partially supersede EN 12469:2000.

prEN 12469-5:2024 includes the following significant technical changes with respect to EN 12469:2000:

- the structure has been changed to emphasize different classes of biological safety cabinets (BSC);
- the text of the entire document has been revised and references have been updated.

prEN 12469:2024 consists of the following parts, under the general title *Biological safety cabinets*:

- Part 1: Classes, terminology and basic requirements
- Part 2: BSC class II
- Part 3: BSC class III¹
- Part 4: BSC class I²
- Part 5: Installation, commissioning and routine testing

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¹ Under preparation.

² Under preparation.

prEN 12469-5:2024 (E)**Introduction**

Biological safety cabinets (BSC) are designed to reduce the risk to the operator when using biological materials. Dependent on type, they can protect the operator, the product, and the environment from biological aerosols.

BSC class I and class II are ventilated enclosures with an open front aperture.

A BSC class III is a fully enclosed workspace with gloves attached to the front port normally with an additional pass-through box attached.

A BSC class I provides operator and environment protection.

A BSC class II provides operator, product, and environment protection. In addition, it offers cross-contamination protection.

A BSC class III provides operator, environment and product protection. It is normally used in high level containment facilities for the highest risk group agents.

The type of BSC required is usually based on risk group, risk assessment and application.

This document describes the design and testing of these BSC for use in laboratories handling biological agents.

This document is a product standard. Occupational health and safety assessments methods are not included.

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