

STN	Biologické bezpečnostné boxy Časť 5: Inštalácia, uvedenie do prevádzky a bežné skúšanie	STN EN 12469-5 59 3015
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Biological safety cabinets - Part 5: Installation, commissioning and routine testing

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/26

Tento dokument spolu s STN EN 12469-1: 2026, STN EN 12469-2: 2026, prEN 12469-3 (dosiaľ neprijatá) a prEN 12469-4 (dosiaľ neprijatá) čiastočne nahrádza STN EN 12469 z novembra 2002.

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EUROPEAN STANDARD

EN 12469-5

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EUROPÄISCHE NORM

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English Version

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

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

Biologische Sicherheitswerkbänke - Teil 5: Aufstellung,
Inbetriebnahme und Wartung

This European Standard was approved by CEN on 5 October 2025.

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

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EN 12469-5:2025 (E)

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European foreword

This document (EN 12469-5:2025) has been prepared by 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of an identical text or by endorsement, at the latest by May 2026, and conflicting national standards shall be withdrawn at the latest by May 2026.

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

This document, together with EN 12469-1:2025, EN 12469-2:2025, prEN 12469-3:—¹ and prEN 12469-4:—¹, will partially supersede EN 12469:2000.

EN 12469-5:2025 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.

EN 12469:2025 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 III
- Part 4: BSC class I
- Part 5: Installation, commissioning and routine testing

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

¹ Under preparation.

EN 12469-5:2025 (E)**Introduction**

Biological safety cabinets (BSC) are designed to protect the operator and the environment against the risks associated with the handling of biological agents. Depending on the classes, a BSC can additionally protect the product.

Each BSC class has its own design and performance criteria. The choice of a BSC class depends on the type of protection required and the assessment of the risk to be controlled.

EN 12469 describes the BSC classes, their design, correct usage, and testing principles.

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

1 Scope

This document gives requirements and recommendations for installation, commissioning and routine testing of BSC.

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.

EN 12469-1, *Biological safety cabinets - Part 1: Classes and basic requirements*

CEN/TS 17441, *Laboratory installations - Ventilation systems in laboratories*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN