

STN	Biologické bezpečnostné boxy Časť 2: BSC triedy II	STN EN 12469-2 59 3015
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Biological safety cabinets - Part 2: BSC class II

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

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II

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

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European foreword

This document (EN 12469-2:2025) 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of an identical text or by endorsement, at the latest by May 2026, and conflicting national standards shall be withdrawn at the latest by May 2026.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, prEN 12469-3:—¹, prEN 12469-4:—² and EN 12469-5:2025, will partially supersede EN 12469:2000.

EN 12469-2:2025 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);
- additional test of the stability of protective functions;
- the text of the entire document has been revised and references have been updated.

EN 12469 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

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

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.

² Under preparation.

EN 12469-2:2025 (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 specifies the specific requirements for class II BSC with respect to design, construction, safety and hygiene.

It sets the specific performance criteria for class II BSC for work with biological agents and specifies test procedures with respect to protection of the operator, the environment and product protection including cross-contamination.

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 12469-1:2025, *Biological safety cabinets - Part 1: Classes and basic requirements*

EN ISO 14644-7:2004, *Cleanrooms and associated controlled environments - Part 7: Separative devices (clean air hoods, gloveboxes, isolators and mini-environments) (ISO 14644-7:2004)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN