

TAILORED SHIELDED BIOSAFETY CABINET



**COST EFFECTIVE LAMINAR
FLOW SOLUTIONS
OF THE HIGHEST QUALITY**

- EXCELLENT RADIATION PROTECTION
- COST EFFECTIVE
- USER-FRIENDLY
- EASY MAINTENANCE

The ELICAB program was created to give customers access to cost-effective, tailored solutions for radiation protection. All systems have been optimized to combine best radiation protection and quality with user friendly design.

Our Shielded Laminar Flow Biosafety cabinets can be delivered with lead shielding on 4 sides and come with a sliding tabletop lead glass shielding, depending on your personal needs.

Technical Features

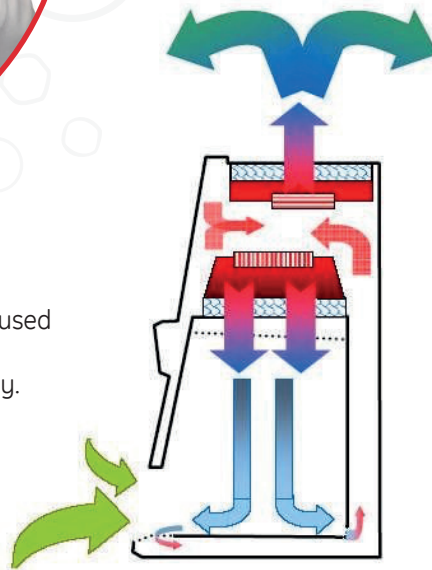
The laminar flow cabinets are versatile and can be equipped with different options to fit exactly to the customer needs.



Sliding Lead Glass Shield:

Lead glass with a density of 5,2 and 36mm thickness protects the operator from radiation, while providing excellent visibility over the entire worktop.

This tabletop slides laterally without any effort, improving the ergonomics of this shielded BioSafety cabinet. An ergonomic arm-rest facilitates increased working comfort.



High efficient ventilation:

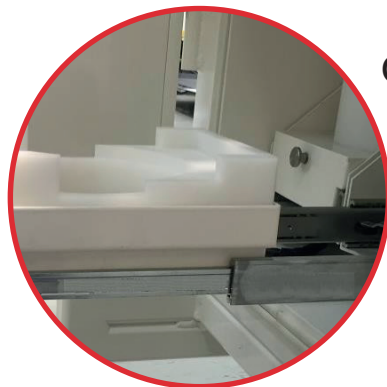
For optimal ventilation, two HEPA filters are used with top-down laminar flow, stabilized at 0,45m/s speed, ensuring class 2 air quality.

Compliance:

The cabinets are Class 2 microbiological safety posts, in accordance with the European standard EN 12469, the benchmark for performance criteria for BSC (covering operation, environmental and product protection).



The inbuilt manometer has two independent pressure sensors to detect pressure changes in the exhaust and suction plenums. An audible and visual alarm signals to the operator if safety is compromised by changes in the vertical laminar flow/exhaust or suction flow. Air velocities are displayed on the control panel for monitoring and double space recording.

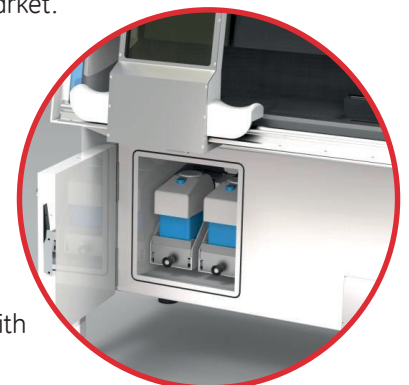


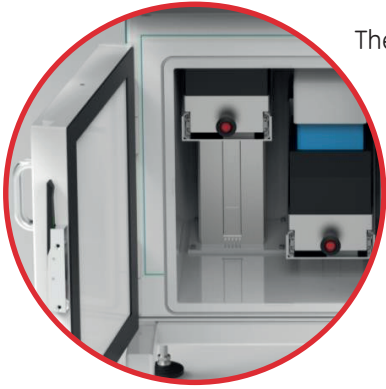
Optional Generator Compartment:

The optional generator compartment can host up to 2 generators, shielded with 40mm of lead. The compartment is in the lower part of the shielded biosafety cabinet compatible with the generators currently on the market.

This compartment is equipped with an inlet filter H14 of 5m³/h and air extraction allowing to maintain a slight depression and class C air quality.

To replace the generator, access can be obtained through front blinded door (shielded with 50mm lead), equipped with a handle that can be locked with a key.





The internal sliding tray facilitates the exchange of the generator.

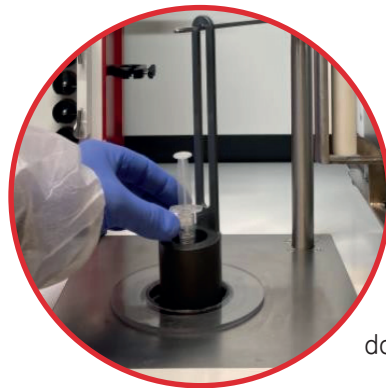
We propose different generator socles, allowing the use of different generators with our elevators.

Two independent elevators allow the generators to be mounted flush with the worktop during elution for better ergonomics.



Dose Calibrator Compartment:

We propose an optional dose calibrator compartment. The compartment is on the right side just beneath the workbench. Access to the dose calibrator is protected with a 10mm lead cover.



To lower the background noise, the entire dose calibrator compartment has a 10mm lead wall. Its dimensions allow the integration of available dose calibrators (i-Dose, Veenstra, Capintec, Atomlab,...).

A foot-operated elevator allows the activation of the dose calibrator's ladle for better ergonomics.



Waste solutions:

The proposed shielded waste compartment has two waste shutters/tubes incorporated into the work bench. The waste compartment has 10mm lead shielding and can receive one large 4.5l or two small 2.3l square or cylindrical bins.



Worktop lighting:

To offer an ergonomic working environment the cabinets are equipped with LED-lights offering homogeneous lighting conditions.



Shielded Isolators

Front door and side door configurations
Side shielded air-lock
Biological protection

Worktop space

Material
Air quality

Adapted to your lab
Allows entry and exit of materials
Low Energy: 15mm lead and 50mm lead glass
High Energy: 40mm lead and 102mm lead glass
650, 750, 800 and 1350mm wide versions available
2 or 4 glove ports (Shielded)
650mm depth
Steel, epoxy powder coating and stainless steel
Class C or Class A versions

Shielded Biosafety Cabinets (Laminar Flow)

Worktop space

Biological protection
Material

900 and 1200mm wide versions available
650mm depth
10 mm lead and 36 mm lead glass
Steel, epoxy powder coating and stainless steel

Available options

Shielded Generator compartment

Dose Calibrator compartment

Shielded Waste compartment

Space for 1 or 2 Generators.
Can be equipped with generator lift
Shielded compartment under worktop
Can be equipped with automatic ladle
2 shielded waste compartment integrated in bottom with access from worktop.



ELYSIA  **RAYTEST**

info@elysia-raytest.com
www.elysia-raytest.com

Headquarters

Elysia s.a.
Rue du Sart-Tilman 375
4031 Angleur - Belgium
Tel +32 (0)4 243 43 50

Production

Elysia-raytest GmbH
Benzstraße 4
75334 Straubenhardt - Germany
Tel +49 (0)7082 92 55 0