erlab
Vous pouvez respirer.

Equipment for laboratory animal research

Who are we?

In operation since 2006, Noroit stakes its reputation on the expertise of its founders who boast a strong background in the field of laminar flow. Noroit is expanding its range of standard and bespoke products in compliance with current standards. It has developed a very similar business philosophy to Erlab: innovation and expertise. Erlab and Noroit have thus found that they can complement each other very well.

The Nantes-based company has emerged as a specialist in protective materials for biological contamination hazards in the laboratory. Noroit is constantly innovating as a company, and its biology expertise is an invaluable asset, so Erlab had to seize the opportunity to reach out. From that meeting, in 2021, a complementary partnership was born.

This is now becoming a synergy. **Noroit is becoming ERLAB Life Sciences** to combine its biological safety expertise with the high-performance knowledge Erlab possesses in the field of chemistry.

Europe: Erlab S.A.S (France) Nantes

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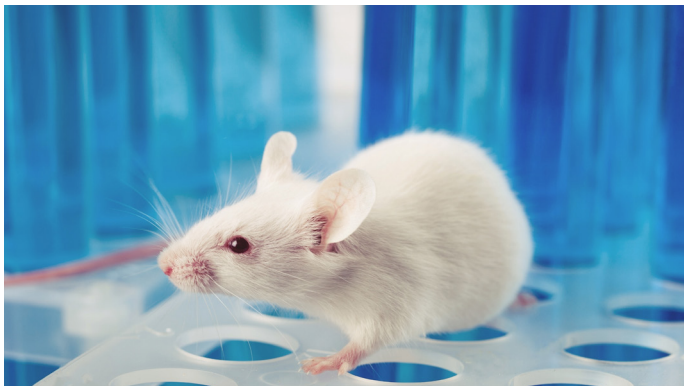
Who are we?

Erlab designs, produces and sales protective equipment against biological risks.

A complete range of products, manufactured following high quality standards: Class II safety cabinets, laminar air flow modules and hoods, gloveboxes, and **a range of equipment for research and breeding of laboratory animals**.



Technical expertise

Whatever your industry, Erlab meets all your protection needs (handling, handler,

both, and more), even for the most complex situations, such as isolator technology.

Controlled production

We are proud to promote a controlled production process from design to assembly.

Our high-quality equipment is the result of our masterful expertise.

Reactivity

Your satisfaction is our priority.

We are sized to meet our commitments for delivery times, quality and performance.

You can rely on us!

Safety

At Erlab, safety is paramount to ensuring optimal working conditions. That's why

all our devices are fitted with specialised features and technology – tailored to each

type of equipment – to ensure the safety of users, products and the environment.

We are committed to providing reliable and secure solutions to support our

customers' operations and help maintain a safe and healthy work environment.

Reduced environmental impact

To minimise its environmental impact, the Erlab Life Sciences division is a member

of Clickeco, specialised in the management of specific and dangerous waste.

A large proportion of our chemical and electrical waste is collected and recycled

through this scheme. It also prioritises the use of local subcontractors.

Reduced energy costs

Since its creation, Erlab has been committed to designing and producing its

products sustainably. Our highly energy efficient devices, such as safety cabinets,

are fitted with a simple, silent fan and low-energy LEDs.

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A.Box ANIMAL CABINETS

A.Box ventilated animal cabinets provide efficient filtered air renewal,

guaranteeing optimal conditions for housing rodents.

To meet zootechnics' special needs, A.Box ventilated laminar flow cabinets are available with:

- Positive pressure to protect rodents from contamination
- Negative pressure to protect users when breeding pathogenic rodents

Technical specifications

- Absolute H14 filtration
- G3 prefilters
- Visual alarms
- Pressure and temperature set button
- Microprocessor controlled

Comfort

- Stainless steel shelves, removable and autoclavable
- Easy manipulation of the cages, including those stored on the first bottom shelf
- Chamber made of smooth PVC, without any hole or corner, for a fast and efficient cleaning
- Programming the unit via the graphic display is very user -friendly
- One-way mirror doors, red colour (day-night cycles)

Options

- Wheels
- Day/night cycle programming
- Programmable heating
- Humidity display
- Adjustable brightness
- Activated carbon filter (to stop odorous molecules)

Model	External dimensions (W x D x H)	Internal dimensions (W x D x H)	Cage capacity «Type 1»	Cage capacity «Type 2»	Cage capacity «Type 3»	Cage capacity «Type 4»
A.Box 80	900 x 600 x 1785	690 x 500 x 1200	16	12	8	4
A.Box 120	1270 x 600 x 1785	1050 x 500 x 1200	24	16	8	4
A.Box 160	1600 x 600 x 1785	1380 x 500 x 1200	32	24	16	8

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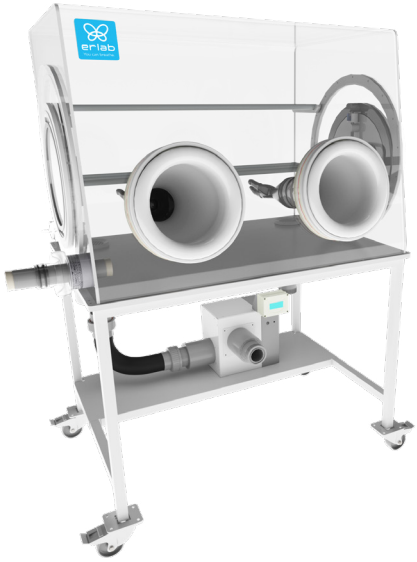
I.Box zoo ZOOTECHNICS ISOLATORS ANIMAL

I.Box zoo isolators ensure that the specific sanitary conditions of the animals housed are strictly maintained. They offer a very high level of containment, providing the operator and rodents with absolute biological protection.

These devices are specially designed for biomedical research applications in zootechnics: housing and breeding of immunocompromised mice, axenic mice, rodents with a specific health status, poultry, etc.

The devices are customised and configured according to the handling operations performed, the size of the cages and the operating protocol of the animal facility.



Technical specifications

- Negative or positive pressure unit
- H13 filters, G3 prefilters
- 2, 3 or 4 gloves in a linear position or facing each other
- Monitoring available: airflow, temperature, hygrometry, nitrogen rate, etc
- Fully equipped for the sterilization with peracetic acid

Comfort

- Transparent body
- Tubular shelves made of stainless steel
- Sleeves positioned on large ports (ø 310mm), to reach every part of the chamber
- Wheels
- Double Door Transfer Ports, (DDTP) male or female, service port

Options

- Adjustable electric stand, for different working heights
- DDTP transfer container made of polyethylene or aluminum
- Fluid and electric ports
- Equipped with jersey material sleeves with PVC coating and neoprene gloves
- IQ-OQ qualification

Model	External dimensions (W x D x H)	Internal dimensions with DDTP female (W x D x H)	Internal dimensions with DDTP male (W x D x H)
I.Box zoo 2 gloves	1200 x 700 x 750	1250 x 740 x 1600	1545 x 740 x 1600
I.Box zoo 3 gloves	1500 x 700 x 750	1550 x 740 x 1600	1845 x 740 x 1600
I.Box zoo 4 gloves	1800 x 700 x 750	1850 x 740 x 1600	2145 x 740 x 1600
Other dimensions are available, according to your needs			

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Anilis CLASS II BSC/CHANGING STATION

Anilis class II BSC/changing station is designed to protect rodents during cage changing operations. They also protect users from inhaling particles created by litter or animal hair, and from any biological risk associated with handling contaminated animals.

Fitted with HEPA H14 filters at supply and extraction, dual ventilation with EC motors and a powerful air barrier, the Anilis BSC guarantees a protected workspace for safe handling.

With its original and innovative design, the Anilis BSC offers unparalleled working comfort.

Technical specifications

- Complies with the EN 12469 standard
- Class 100-ISO 5
- HEPA H14 filters, Prefilter cartridge installed below the work tray
- Laminar filtered airflow: 0.40 metre/sec
- Airflows direct measurement by anemometers
- Visual and audible alarms

Comfort

- Electrical front window, with 2 working positions: 22 cm similar to class II BSC and 30 cm dedicated to cage changing
- The “Twist and Clean©” patented design is very useful to clean the front window: simply open out the ‘wings’ of the unit and pivot the front window on its horizontal base, to clean it horizontally and... comfortably!
- Touch screen highly intuitive. The home screen displays the flow speed and alarms. Available applications: calculator, timer, webcam, MP3 reader. BSC personalisation and operational monitoring: date of installation, of next service, filter status display, etc

Options

- Adjustable or electric base, with or without wheels
- Additional electrical outlets, fluid ports and gas taps
- UV-germicide decontamination
- Hydrogen peroxide biodecontamination
- Cable tight ports
- Double Door Transfer Port, ø270mm or ø350mm
- IQ-OQ qualification

Model	External dimensions (W x D x H)	Internal dimensions (W x D x H)	Weight (Kg)	Power consumption Standby mode / Work mode (W)
Anilis 900	1025 x 820 x 1421	980 x 570 x 650	190	80 / 160
Anilis 1200	1330 x 820 x 1421	1285 x 570 x 650	215	85 / 170
Anilis 1500	1635 x 820 x 1421	1590 x 570 x 650	250	105 / 300
Anilis 1800	1940 x 820 x 1421	2130 x 570 x 650	280	110 / 310

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Equipment for laboratory animal research

Solis Essentiel CLASS II BSC

Solis class II microbiological safety cabinets provide absolute biological protection for the handler, the handling and the environment against the risk of airborne contamination when handling class 2 and class 3 microorganisms and pathogens.

Fitted with HEPA H14 filters at supply and extraction, dual ventilation with EC motors and a powerful air barrier, the Solis BSC guarantees a protected workspace for safe handling.

The Solis BSC provides an extremely comfortable work environment and exceptional technical performance.

Technical specifications

- Complies with the EN 12469 standard
- Class 100-ISO 5
- HEPA H14 filters, Prefilter cartridge installed below the work tray
- Laminar filtered airflow: 0.40 metre/sec
- Airflows direct measurement by anemometers
- Visual and audible alarms

Comfort

- Electrical front window, with 2 working positions: 22 cm similar to class II BSC and 30 cm dedicated to cage changing
- The “Twist and Clean©” patented design is very useful to clean the front window: simply open out the ‘wings’ of the unit and pivot the front window on its horizontal base, to clean it horizontally and... comfortably!
- Touch screen highly intuitive. The home screen displays the flow speed and alarms. Available applications: calculator, timer, webcam, MP3 reader. BSC personalisation and operational monitoring: date of installation, of next service, filter status display, etc

Options

- Fixe, adjustable, electric base, with or without wheels
- Additional electrical outlets, fluid ports and gas taps
- UV-germicide decontamination
- Hydrogen peroxide biodecontamination
- Cable tight ports
- Double Door Transfer Port, ø270mm or ø350mm
- Chemical protection / Biological protection
- IQ-OQ qualification

Model	External dimensions (W x D x H)	Internal dimensions (W x D x H)	Weight (Kg)	Power consumption Standby mode / Work mode (W)
Solis 900	1025 x 820 x 1421	980 x 570 x 650	190	80 / 160
Solis 1200	1330 x 820 x 1421	1285 x 570 x 650	215	85 / 170
Solis 1500	1635 x 820 x 1421	1590 x 570 x 650	250	105 / 300
Solis 1800	1940 x 820 x 1421	2130 x 570 x 650	280	110 / 310

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Bin.Box CLASS II BIOLOGICAL HOODS FOR MICROSCOPIC APPLICATIONS

Bin.Box biological hoods are class II laminar flow hoods specially designed to integrate optical equipment, such as microscopes, binocular microscopes and stereo microscopes. They provide total biological safety to users, protecting them against the risk of airborne contamination when handling micro-organisms and pathogens.

Based on the design of an MSC and compliant with the EN 12469 standard, the front window of Bin.Box hoods is fitted with a connection port that perfectly fits the microscope's binocular eyepieces. This feature allows the user to work in a comfortable, natural position.

Technical specifications

- Complies with the EN 12469 standard
- Class 100-ISO 5
- HEPA H14 filters, G4 pre-filters
- Laminar filtered airflow: 0.35 metre/sec
- Double ventilation (downflow - exhaust)
- Airflows direct measurement by anemometers
- Visual and audible alarms

Comfort

- Front window equipped with a flexible port to fit around the microscope's eyepieces
- Reinforced aluminium work surface, thickness 6 mm
- Anti-vibration frame under the microscope
- LED strip, bright and smooth white light
- Touch screen highly intuitive
- Transparent and removable side panels, made of PMMA
- Secure cable tight ports

Options

- Additional electrical outlets
- Weighting marble
- UV-germicide decontamination
- Rotative closing panel
- Thermo regulated plate, integrated in the work tray
- Double Door Transfer Port, ø270mm or ø350mm
- Active carbon filter
- IQ-OQ qualification

Model	External dimensions (W x D x H)	Internal dimensions (W x D x H)	Weight (Kg)	Power consumption Work mode (W)
Bin.Box 11-08	1250 x 1100 x 2330	1100 x 800 x 1000	260	1800
Bin.Box 14-08	1550 x 1100 x 2330	1400 x 800 x 1000	360	2000
Bin.Box 17-08	1850 x 1100 x 2330	1700 x 800 x 1000	450	2200
Bin.Box 22-08	2350 x 1100 x 2330	2200 x 800 x 1000	550	2500

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T.Box CLASS II BIOLOGICAL TRANSFER HOODS

T.Box transfer hoods are designed for the safe transfer of animals from uncontrolled environments to SPF (specific-pathogen-free) areas.

These transfer hoods are equipped with an airlock to provide the highest level of protection during caging operations, creating a clean, fully protected environment for rodents. Changing operations are carried out under the hood, where rodents are protected by an ISO 5 class laminar flow, in compliance with the ISO 14644 standard.They provide an ideal, secure buffer zone between the animal facility and the outside world, while offering you comfort and quality of work.

Technical specifications

- Complies with the EN 12469 standard
- Class 100-ISO 5
- HEPA H14 filters, G4 pre-filters
- Laminar filtered airflow: 0.40 metre/sec
- Double ventilation (downflow - exhaust)
- Airflows direct measurement by anemometers
- Visual and audible alarms

Comfort

- Frame in 304L stainless steel or painted steel, PMMA side and front panels
- Workspace and work surface in 304L stainless steel, monobloc, concave to facilitate changing operations
- Low-LED energy lighting
- Touch screen: allows easy control of the hood
- Airlock: secure door opening with warning light. The airlock door's windows are made of safety glass, which is highly resistant to cleaning and decontamination agents

Options

- Additional electrical outlets
- UV-germicide decontamination
- Rotative closing panel
- IQ-OQ qualification

Model	External dimensions (W x D x H)	Internal dimensions (W x D x H)	Weight (Kg)	Power consumption Work mode (W)
T.Box 14-09	1534 x 1183 x 2330	1410 x 900 x 1000	360	1000
Other dimensions are available, according to your needs				

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Olis HORIZONTAL LAMINAR FLOW HOODS

Olis horizontal laminar flow hoods provide optimum handling protection. They are ideal for laboratory applications where protection of biological samples or other particle-sensitive products is required.

Olis biological enclosures are fitted with a HEPA H14 filter and provide an ISO 5 class working environment, in accordance with the EN ISO 14644-1:2015 standard.

The highly intuitive touch screen interface keeps operators constantly informed of the correct operation of their hood. In the event of a fault, a visual and audible alarm warns the user.

Technical specifications

- Class 100 - ISO5, according to ISO 14644
- HEPA H14 filters, G4 pre-filters
- Laminar filtered airflow: 0.40 metre/sec
- Airflows direct measurement by anemometer
- Visual and audible alarms

Comfort

- Worktray made of stainless steel
- User-friendly touch screen
- Soft and bright lighting of the chamber
- Transparent side panels made of PMMA, or made of safety glass (optional)
- Cable ports

Options

- Adjustable or electric base, with or without wheels
- Additional electrical outlets, fluid ports and gas taps
- Transfer ports on the chamber's side panels
- Openings on the side panels
- Double Door Transfer Port, ø270mm or ø350mm
- IQ-OQ qualification

Model	External dimensions (W x D x H)	Internal dimensions (W x D x H)	Weight (Kg)	Power consumption Work mode (W)
Olis 900	1030 x 785 x 1075	985 x 550 x 645	105	450
Olis 1200	1335 x 785 x 1075	1290 x 550 x 645	120	500
Olis 1500	1530 x 785 x 1075	1595 x 550 x 645	145	650
Olis 1800	1945 x 785 x 1075	1900 x 550 x 645	195	700

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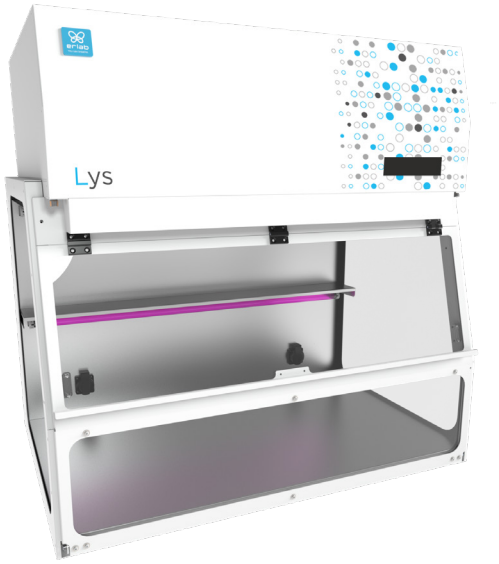
Lys PCR WORKSTATIONS

Lys hoods are specially designed for PCR (Polymerase Chain Reaction) applications. Available in ventilated or non-ventilated versions, they offer an optimal solution for ultraviolet decontamination. UV light exposure breaks down DNA/RNA strands that could contaminate your handling and avoids cross-contamination between two operations.

Lys ventilated hoods have a high-efficiency particulate filtration system (HEPA H14) that provides a particle-free workstation around the handling.



Technical specifications

- Available in HEPA-Airflow Version, (ISO 5 – Class 100, according to ISO 14444)
- HEPA H14 filters, G4 pre-filters
- The irradiation is ensured by 2 UV tubes

Comfort

- 25º angled front window
- Stainless steel shelf, electrical outlets
- Unique sliding front window: storage position under the unit
- Eye level and user-friendly keyboard
- Transparent sides, providing additional daylight in the chamber
- Full opening of the front window

Options

- Adjustable base, with or without wheels

Model	External dimensions (W x D x H)	Internal dimensions (W x D x H)	Weight (Kg)	Power consumption Work mode (W)
Lys 700 V	770 x 685 x 960	750 x 600 x 580	90	300
Lys 700 NV	770 x 685 x 800	750 x 600 x 580	60	100
Lys 900 V	960 x 695 x 960	950 x 600 x 580	100	330
Lys 900 NV	960 x 695 x 800	950 x 600 x 580	70	130

The Erlab Research and Development laboratory

About Erlab

Since 1968, Erlab has been a specialist, inventor and world leader in ductless, zero-emission filtering fume hoods for laboratories to provide total safety in chemical handling.

Today, Erlab is expanding its offer. The company designs, manufactures and markets protective equipment against the risks of biological contamination, mainly in the fields of health, research, industry, etc...

1 Standards

Erlab's biological devices comply strictly with current standards.

EN 12469-2000	Guarantee protection for the operator.
EN ISO 14644-1:2015	Guarantee protection of handling
	Guarantees the classification of particle cleanliness in dust-controlled areas
EN 1822-1:2019	Guarantee an H14 HEPA filtration, 99,995% MPPS
EN 10648-2:1944	Guarantees the tightness of containment vessel

2 R&D department

Erlab and its engineers have acquired in-depth knowledge of products, biomedical constraints and applicable standards.

Erlab is able to develop a range of products in line with market expectations and offer customised solutions that are truly tailored to the needs of laboratories.

3 Our Expertise

Erlab offers customised solutions for all non-standard industrial applications. Its technical expertise enables it to meet all protection requirements, including the most complex, particularly in the field of isotechnology.

4 Our Technology

Touchscreen	For easy control of your appliances!
Twist & Clean» device	For easy cleaning of the front glass of the BSC Solis!
H2O2 bio-decontamination	For effective decontamination of the BSC Solis work volume!
Inverter	To keep the BSC running in the event of a power cut, in complete safety!
Voice control	For easy operation of the BSC Solis's electric front window!

5 The maintenance

Erlab can offer you a preventive and/or corrective maintenance contract.

Erlab's technicians will carry out maintenance on your equipment.

The aim is to check the general condition of the equipment and, above all, to check the operating parameters, which guarantee the effectiveness of the protection.

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