

Complies with
NF EN 12 469



CYTO-PURE

Class II microbiological safety cabinet with 3 filters

Triple protection

Operator, product and environment

3 HEPA filters

Bag-in bag-out servicing

CMR substances

That cannot be decontaminated or neutralised

Ultra-Cleanliness Solutions

Protect the product · Protect the operator · Protect the environment

 French manufacturer since 1968 · adslaminaire.com

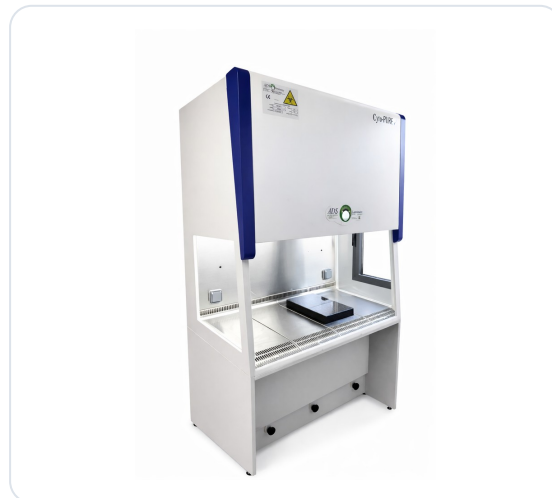
PURPOSE

Class II microbiological safety cabinets protect **the operator**, **the product** and **the immediate surroundings** from airborne contamination.

The CYTO-PURE is suitable for handling **low and medium risk class 1, 2 and 3 pathogens**, and for the **weighing and handling of CMR substances that cannot be decontaminated or neutralised**.

KEY FEATURES

- **Contained servicing** — bag-in bag-out, stand-mounted filter
- **COPLAST structure** — unaffected by acids, fully compatible with hydrogen peroxide and peracetic acid
- **Smooth surfaces** — easy to clean
- **316L stainless steel interior back** — formed in one piece, no welds
- **Solid segmented stainless steel work surface** — comfortable to work on, perfectly flat, easy to decontaminate
- **Profiled air guard** — armrest, comfortable to use and easy to decontaminate
- **Gas-strut hood** — gives complete access to the sash for cleaning
- **Sash inclined at 6°** — optimised ergonomics
- **Motorised drive** — raises and lowers the sash
- **Dual negative-pressure plenum** — inherently safe, no risk of leakage
- **Dual ECM ventilation** — automatic regulation, brushless DC motor
- **Motors fitted with sound traps**
- **2 built-in power sockets**
- **Transparent side panels**
- **Supply filter** — with laminarity diffuser
- **Front-access maintenance** — lift-up hood
- **LCD display** — airflow velocity, filter loading, alarms



APPLICATIONS

- Medical analysis
- Hospitals
- Pharmaceutical
- Biotechnology
- Food industry
- Other applications

Individual testing

CYTO-PURE cabinets are built to EN 12469. Every unit is tested individually, whatever the production batch, which guarantees consistent performance, and is supplied with a certificate of conformity.

OPERATING PRINCIPLE

A sterile **ISO 5** laminar flow, to ISO 14644-1, is delivered vertically onto the work surface after passing through a first H14 HEPA filter: this is the **protection of the product**.

The airflow is drawn back in its entirety around the edge of the work surface, then passes through a second H13 or H14 HEPA filter located directly beneath it.

Part of the recirculated air is discharged through a third H14 HEPA filter. The volume discharged is made up by drawing in an equivalent volume at the front of the work surface.

THE THREE PROTECTIONS

Protection of the environment

Exhaust through H14 HEPA filter

Protection of the product

ISO 5 cleanliness class

Protection of the operator

Air guard

COMPLIANCE

Stand-mounted filter with bag-in bag-out servicing: filter housing, removal and fitting of the filter, fitting of the new bag. The technician is never exposed to the retained product.

DESIGN DETAILS

Gas-strut hood

A gas strut lifts the hood, giving direct access to the inner face of the sliding sash and to the work chamber for cleaning, and to the lighting, the electronics, the ventilation and the filters for front servicing.

Segmented work surface

The 316L stainless steel work surface is segmented. Individual sections can be lifted out for cleaning and, where required, for sterilisation.

Profiled air guard

The front section is designed for safety, comfort and ergonomics. Its profiled shape maintains an even front inflow whatever the position of the operator's arms, and removes the need for a separate armrest.

Benefits

Energy savings from the DC motors and LED lighting. The non-metallic structure makes the equipment easier to recycle. Safety is reinforced by the dual negative-pressure plenum and the dual ventilation.

AVAILABLE OPTIONS

Gas / air / vacuum service port	Additional power socket
Weighing slab — 250 × 400 × 70 mm	316L stainless steel spill tray
Connection to outside duct	Activated carbon filter on exhaust
110 V power supply	Waste airlock
Decontamination kit	IQ / OQ qualification protocol
Stand-mounted activated carbon filter, in place of the HEPA filter	UV lamp

DIMENSIONS AND SPECIFICATIONS

Dimensions (mm)	CYTO-PURE 9	CYTO-PURE 12	CYTO-PURE 16	CYTO-PURE 18
	internal / overall	internal / overall	internal / overall	internal / overall
Width	915 / 964	1 220 / 1 276	1 524 / 1 573	1 828 / 1 884
Height	580 to 604	580 to 604	580 to 604	580 to 604
Overall height	2 220 mm			
Depth	500 / 790	500 / 790	500 / 790	500 / 790
Sound level	56 dBA	56 dBA	58 dBA	58 dBA
Rated power	130 W	190 W	250 W	360 W
Weight	260 kg	300 kg	370 kg	410 kg

Source: ADS Laminaire general catalogue 2025-2026.

Fiche produit Rév1 — Not a contractual document. We reserve the right to modify the specifications of our products without notice.

DOCUMENTS SUPPLIED ON DELIVERY

- Certificate of conformity
- Warranty certificate
- User manual in English

Commissioning and maintenance are carried out by ADS Laminaire, the manufacturer, throughout France and Europe.

Fiche produit Rév1 — 2026 edition

OUR COMMITMENT

Engineering, manufacturing, test laboratory and after-sales service, all under one roof at our Aulnay-sous-Bois site.

A company certified **ISO 9001:2015** since 2008 and awarded the **NF 095** label since 1997. The first French company to specialise in laminar flow, since 1968.

4