

# Microbiological **Safety Cabinets**

LaboGenes range of  
Microbiological  
Safety Cabinets

**50**  
YEARS OF  
EXPERIENCE

ENHANCING  
**LAB EFFICIENCY**



LABOGENE

# ENHANCING LAB EFFICIENCY AND PRODUCTIVITY WITH LABOGENE SOLUTIONS

At LaboGene, we understand that lab efficiency and productivity are paramount to your success. That's why our products are designed to address these critical needs head-on. Research from the Danish National Institute of Occupational Health shows that noise can significantly reduce concentration levels and increase absenteeism. Laboratories often contend with higher noise levels than typical work environments, which is why LaboGene is committed to developing low-noise, highly efficient biosafety cabinets.

With over 50 years of experience in the lab equipment industry, specializing in safety cabinets and freeze dryers, LaboGene has built a strong global network of well-established distribution partners. This extensive experience and network empower us to deliver tailored solutions that meet the specific needs of our customers.

In this brochure, we showcase the key benefits that come standard with our LAF family of products: safety, energy efficiency, noise reduction, and ergonomic design.

By prioritizing these features, we deliver superior solutions that help you create the best possible working environment for your employees. Our products not only boost efficiency and enhance safety but also support your efforts to leave a greener footprint.

Explore the illustrations in this brochure to discover the specific benefits that will transform your lab, enhancing both your working environment and the safety of your team. Choose LaboGene for cutting edge solutions that elevate your lab's performance and sustainability.



75%

UP TO 75%  
OF LAB TECHNICIANS  
ARE EXPOSED TO DISRUPTIVE  
NOISE POLLUTION

NOISE LEVELS CAN BE DIFFICULT TO PERCEIVE, BUT CAN CONTRIBUTE SIGNIFICANTLY TO OPERATOR SAFETY AND COMFORT.

down to  
**45dB**



### **The cabinet**

The primary function of any Mars cabinet is to protect the product, the environment and the operator or all of these combined, from any hazardous substances by generating an inflow of air through the cabinet work opening.

The movement of a volume of air produces noise, this is unavoidable, but LaboGene's range of Class I, Class II and sterile cabinets benefits from 50 years of engineering expertise to ensure low noise and low vibrations. This is achieved by LaboGene's engineering excellence and expertise without compromising the safety of the operator, the environment or the product/sample, depending upon the cabinet model, i.e. Class I; Class II or Sterile.

### **This is achieved by a combination of:**

- Careful aerodynamic design of the cabinet interior
- Precise digital monitoring.
- Control of the operating conditions.

Furthermore, the Mars family has an energy reducing of 70% and noise reduction of 8dB option when the cabinet is not in use.

*The Mars cabinet is one the quietest cabinets available today, with a noise level of only 45-70 dB depending on the working environment.*



# Distributors **WORLDWIDE**

In cooperation with our local distributors, we have a worldwide dealer and distribution network that makes it possible for us to provide our customers with top-quality equipment delivered on time, backed up with good technical service for the equipments lifetime.

Our  
distributors offer  
complete support,  
service and consultation.

For more information  
and to find your local distributor  
visit

[www.labogene.com](http://www.labogene.com)



Your local LaboGene  
distributor

# Safety FIRST

## Maximum operator comfort

The ergonomically correct sloping front and the glarefree lighting gives a comfortable, stressfree working environment, when either in a seating or standing position.

The integrated control panel with LCD display is conveniently positioned and incorporates functions for eco mode, light adjustments, inflow and downflow alarm and correct position of window.

### This is achieved by a combination of:

- Downflow & exhaust fans are constantly monitored via sensors to maintain safe operating conditions at all times
- Visual and audible alarms for indication of unsafe airflow conditions or interruptions.
- V-shaped, angled front air intake grills allow a comfortable work position, whilst preventing any airflow restriction caused by obstruction of inflow air to the work chamber.



X 2

During its operation, the Mars cabinet uses energy which is less than just two light bulbs.

## Low energy CONSUMPTION

The Mars cabinets take full advantage of the latest energy efficient fans. Low energy consumption also results in less heat transmission, both into the work chamber and into the laboratory, contributing to significantly reduced overall energy costs.

- Digital control & operation.
- Unique fan system saves energy.
- 110 mm-deep HEPA filters offer low pressure drop.
- Operation/eco mode function ensures cabinet operation.



# Meet the FAMILY

LaboGene produces some of the finest biological safety cabinets and laminar flow technology in the industry. Our legacy of over 50 years of expertise forms the core of the LaboGene brand.

We offer today's laboratories and research facilities ergonomic designs which incorporate the latest in energysaving technology, environmental and personal protection and the assurance of conformity to all statutory national and international standards.

LaboGene cabinets give the best protection for all your applications. We also offer a customized bespoke range of clean air enclosures, downflow modules and airshower for industrial, laboratory and biological support unit applications.



**Fortuna**  
Class 100



**Jupiter**  
Class I



**Mars**  
Class II



**Mars PRO**  
Class II



**Mars Pro B2**  
Class II



**Minerva**



**Sirius**  
Class II



**Titan**  
Class 100

**User  
protection**



**Product  
protection**



**Environment  
protection**



**Cabinets  
used for**

Medical  
Electronics

Medical  
Biological  
Tissue

Medical  
Biological  
Tissue

Medical  
Biological  
Tissue

Medical  
Biological  
Tissue

Medical  
Biological  
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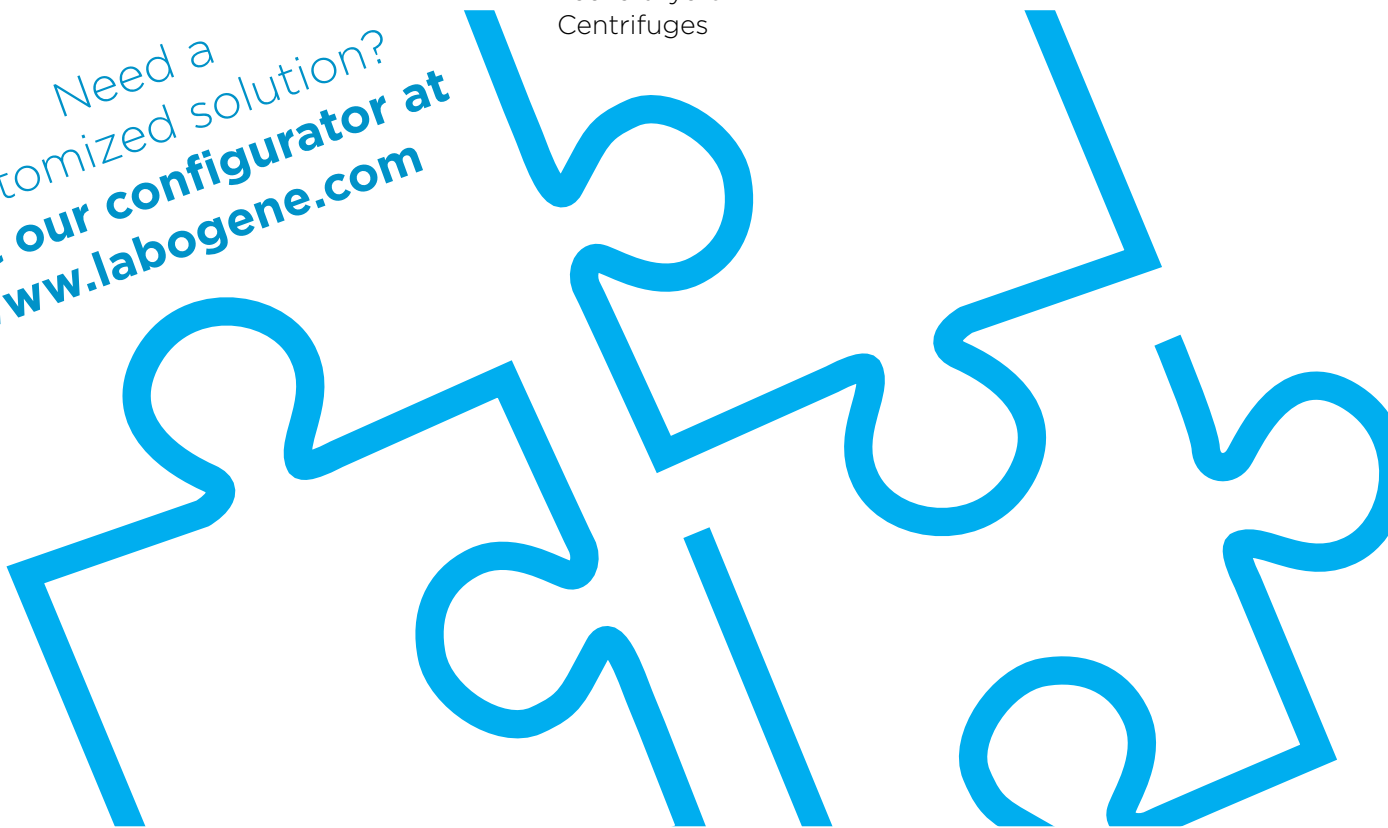


# LABOGENE

LaboGene are experts in the fields of Clean Air & Laminar Flow, Centrifugation, Vacuum & Cooling. We provide both standard and perfectly customized solutions. Designing, developing, manufacturing and marketing laboratory and industrial equipment is our speciality.

Leading Manufacturer & Supplier of:  
Microbiological Safety Cabinets  
Freeze dryers  
Centrifuges

Need a  
customized solution?  
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