

Developed  
especially for  
laboratories

# LABORATORY FREEZER

Reliable and precise temperatures at all times

# EXCLUSIVE LABORATORY -25°C FREEZER

In the laboratory and research field, there is a need to keep materials like general storage, plasma, biological samples, temperature sensitive materials, reagents and such, at a constant temperature.

The value of the content is sometimes measured in thousands of euros and improper storage conditions can lead to discarding of items due to quality issues. Long-term storage of clinical trial and DNA samples, for example, might be kept for several years in low temperature freezers. These, for all practical purposes, are irreplaceable.

The Center for Disease Control and Prevention (CDC) has guidelines on how sensitive materials are to be handled and stored. This is one important reason why we recommend that medical professionals choose a medical graded refrigerator or freezer. Vestfrost biomedical products

offer reliable temperature stability and precision and ensure an ideal cold temperature storage for sensitive items is achieved.

While monitoring and logging temperature is important, knowing when and if a freezer goes out of its required temperature range is even more vital to acting fast and protecting stored contents. The advantage of choosing an Vestfrost biomedical product is that we provide a controller with all the desired features. This includes an automated temperature monitoring system which records temperature via a data logger with memory. A visual and acoustic alarm if the temperature exceeds the designated temperature limits.

Examples of sample type	Temp.(°C)	Duration sample stored in freezer
Enzymes, antibodies	-20	1-3 years
PCR Primes, Isolated Proteins	-20	6-10 years
Antiserum	-20	>10 years
Bacterial plasmid	-20	0.5 - 1 year
Protein and antibodies	-20	1-3 years
Plant- and human tissues	-20	0.5 - 5 years
DNA, RNA	-20	6-10 years

## LABORATORY FREEZERS -25 °C



Small footprint to fit into every laboratory

Hygienic design makes it easy to keep clean

Plug & Play set up makes it easy to install

Optimal for daily use

Potential free contact for alarm transmission

Fast temperature recovery after door opening

Battery backup for temperature logs and alarms

Low noise to ensure a healthy working environment

High temperature uniformity

Low energy consumption

Audible/visual alarm system

Pressure equalization port allows for quick reentries after door opening

#### Specifications

Temperature range -15 to -30 °C  
Uniformity in performance 1,6 °C  
Noise 60 dBA  
Energy consumption 1,94 kWh/24h  
Voltage 220 - 240 V  
Frequency 50 Hz  
Plug type Schuko  
Gross volume, litres (cu. ft.) 253 (8,93)

#### Features

Lock  
LED light  
Porthole  
Contact for remote alarm  
Door vacuum release  
Castors  
Battery back-up for controller

#### Storage

5 stainless steel shelves (Standard)

#### Controller

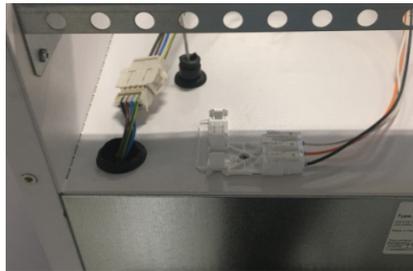
USB connection  
High/Low temperature alarm  
Open door alarm  
Probe failure alarm  
Power failure alarm  
Temperature curve in controller

#### Dimensions and construction

(H x W x D mm) 2055 x 600 x 595



Porthole for external temp. sensors



Dry contact for external alarm transmission



All stainless steel inside

## Low temperature freezers -25 °C

This reliable and user-friendly Low Temperature Freezers -25 °C is developed for storage in laboratories and hospitals. The unit is designed for medical and scientific applications such as storage of reagents, pharmaceuticals, biologicals and other commonly used laboratory materials. It is specially designed for a low noise level to create a comfortable working environment.