

Laboratory Plus - ATEX Approved Bluetooth Enabled Fridge-Freezer

280L Laboratory Plus Upright Fridge-Freezer with Solid Door

Product code LSFSC280BT-ATEX

SKU code 444411370



ATEX Zone 2, Category 3 Certified (Internal Cavity)

The **internal cavity** of this unit is certified in accordance with ATEX Directive 2014/34/EU for use in **Zone 2, Category 3** environments. This means it is suitable for areas where explosive atmospheres are unlikely during normal operation but may occur briefly and infrequently. All **external components** are classified as being in a non-hazardous (safe) area and therefore do not require ATEX compliance.

Key features

- ✓ Temperature range: Fridge: +2°C to +10°C, Freezer: -18°C to -25°C
- ✓ Air temperature probe

- ✓ Audible and visual temperature alarms
- ✓ Factory fitted 16mm porthole for secondary temperature monitoring probes



Bluetooth Connected Controller

Our upgraded controller is Bluetooth enabled and allows for simple, contactless monitoring of temperature and alarm history, via the official Lec Medical app.



Lec Medical Smartphone App

Contactless local monitoring of air temperature via our bespoke smart phone app. Downloadable temperature reports and alarm history.



Fitted Lock

Integrated lock, comes with two keys for added security and access control, to keep contents safe.



Spark-free

We have removed items such as fans and lights so nothing in the interior of the appliance has a risk of igniting flammable liquids.



Anti-Microbial Handle

Our handles have an anti-microbial powder coating which inhibits the growth of microbes to help prevent cross contamination.

Specification: 280L Laboratory Plus Upright Fridge-Freezer with Solid Door

Product Information

Brand	Lec Medical
Category	Laboratory
Sub-Brand	Laboratory Plus
SKU Code	444411370
EAN Code	5052263113701
GDMA Code	LSFSC280BT-ATEX
Description	Free Standing Upright

Product Features

Gross Capacity (litres)	280L (Fridge 182L, Freezer 98L)
Net Capacity (litres)	266L (Fridge 182L, Freezer 84L)
Temperature Range	Fridge: +2°C to +10°C, Freezer: -18°C to -25°C
Open Door Sensor	Yes
Key Lock	Yes (1 fridge, 1 freezer)
Digital Lock	No
Porthole	Yes x 2
Porthole Size (Ø Diameter)	16mm
Porthole Location	Rear Bottom (Fridge and Freezer)
Controller Type	Digital BT, External
Temperature Display on Panel	Yes
Temperature Alarm	Yes
Remote Alarm Contacts	Yes
Audible Alarms	Yes
Visual Alarms	Yes
Interior Light	No
Light Type	n/a
Light Activation	n/a
Fan - Type	No
Spark Free	Yes
Defrost setting	Fridge: Auto (Off Cycle), Freezer: Manual
Battery Back Up/Hours	No
Bluetooth	Yes
NFC	Yes
WiFi	No
GSM-4G	No
Number of Probes	2 (1 Fridge, 1 Freezer)
Probe Type	Air
Anti Microbial Handle	Yes

Internal Specification

Number of Shelves	3 (Fridge), 3 (Freezer)
Number of Shelf Positions	5 (Fridge), 3 (Freezer Fixed)
Shelf Size 1 (mm) (WxDxH)	495mm x 325mm x 6mm
Shelf Size 2 (mm) (WxDxH)	n/a
Shelf Material	Fridge - Polythene Coated Wire, Freezer - n/a
Number of Drawers	3 (Freezer)
Number of Drawer Positions	3 (Freezer Fixed)
Drawer Size 1 (mm) (WxDxH)	2@ 408mm x 405mm x 195mm
Drawer Size 2 (mm) (WxDxH)	1@ 408mm x 252mm x 210mm
Drawer Material	HIPS*
Number of Baskets	1 (Fridge)
Basket Material	Polythene Coated Wire
Basket Size (mm) (WxDxH)	485mm x 325mm x 100mm

Door Specification

Door Finish	Painted Steel / Solid
Door Type	Solid
Door Style	Hinged, Reversible
Door Liner	Fridge Balcony / Freezer Flat
Number of Door Trays	3
Number of Door Tray Positions	4
Door Open Depth (mm)	1150mm
Replacement Door Seal	Yes

Technical Information

Noise Level (dB)	38.3dBA
Colour	White/green
External Finish	Painted Steel
Internal Finish	HIPS*
Type of plastic	SRL800 (HIPS/ABS mix)
Ambient Temperature Range	16°C to 32°C
Refrigerant Type / Weight (g)	R600a/60g
CFC Free	Yes
HFC Free	Yes
HCFC Free	Yes
Ammonia Free	Yes
Insulation Thickness (mm)	Fridge: 45mm, Freezer 86mm
Insulation Type	High Density Polyurethane Foam
Blowing Agent	Cyclopentane
Certification	CE/UKCA
ATEX Zone Classification	Internal Cavities Fridge and Freezer - Zone 2, Cat 3

Power/Installation

UK 3 Pin Plug Power Cord	Yes
EU Schuko 2 pin plug Power Cord	Yes
AU Type I Plug Power Cord	No
Voltage Supply (V)	220-240V
Frequency (Hz)	50Hz
Max Power (W)	88W
Max Current Rating (A)	0.82A
Energy Consumption (kWh/24h)	1.33kWh/24h
Energy Consumption AE (kWh)	485.5kWh
Heat Output Estimated at 22°C (kJ)	4778kJ
Adjustable Feet (Number & position)	2 adjustable (Front)

Weights & Dimensions

Unit External Width (mm)	595mm
Unit External Depth (mm)	600mm
Unit External Height (mm)	1660mm
Unit External Depth Inc Handle (mm)	660mm
Internal Dimensions (mm) (WxDxH)	500mm x 480mm x 725mm (Fridge), 420mm x 450mm x 680mm (Freezer)
Product Weight (kg)	58.8kg
Packed Width (mm)	640mm
Packed Depth (mm)	635mm
Packed Height (mm)	1730mm
Packed Weight (kg)	67.6kg
Country of Origin	China