Laboratory Plus - ATEX Approved Bluetooth Enabled Refrigerator
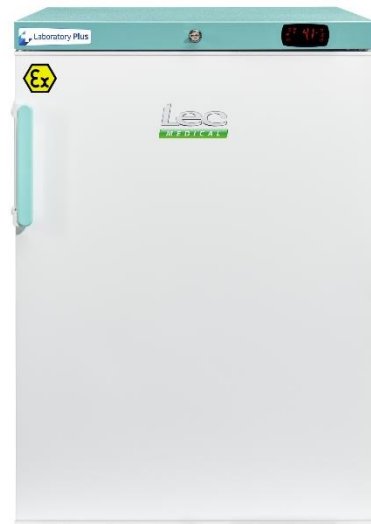
158L Laboratory Plus Undercounter Fridge with Solid Door

Product code	LSFSR158BT-ATEX
SKU code	444411881

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 of +2°C to +10°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.

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.

5 YEARS PARTS AND LABOUR WARRANTY*

The Experts in Medical Refrigeration

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Lec MEDICAL

Specification: 158L Laboratory Plus Undercounter Fridge with Solid Door

Product Information

Brand	Lec Medical
Category	Laboratory
Sub-Brand	Laboratory Plus
SKU Code	444411881
EAN Code	5052263118812
GDMA Code	LSFSR158BT-ATEX
Description	Under Counter

Door Specification

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

Product Features

Gross Capacity (litres)	158L
Net Capacity (litres)	158L
Temperature Range	+2°C to +10°C
Open Door Sensor	Yes
Key Lock	Yes, 2 Keys
Digital Lock	No
Porthole	Yes
Porthole Size (Ø Diameter)	16mm
Porthole Location	Rear Bottom (Right)
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	n/a
Spark Free	Yes
Defrost setting	Auto (Off Cycle)
Battery Back Up/Hours	No
Bluetooth	Yes
NFC	Yes
WIFI	No
GSM-4G	No
Number of Probes	1
Probe Type	Air
Anti Microbial Handle	Yes

Technical Information

Noise Level (dB)	40.1dB
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/28g
CFC Free	Yes
HFC Free	Yes
HCFC Free	Yes
Ammonia Free	Yes
Insulation Thickness (mm)	45mm
Insulation Type	High Density Polyurethane Foam
Blowing Agent	Cyclopentane
Certification	CE/UKCA
ATEX Zone Classification	Internal Cavity - 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)	101W
Max Current Rating (A)	0.78A
Energy Consumption (kWh/24h)	0.33kWh/24h/24h
Energy Consumption AE (kWh)	109.5kWh
Heat Output Estimated at 22°C (kJ)	1188kJ
Adjustable Feet (Number & position)	4 All adjustable

Internal Specification

Number of Shelves	4
Number of Shelf Positions	5
Shelf Size 1 (mm) (WxDxH)	495mm x 325mm x 6mm
Shelf Size 2 (mm) (WxDxH)	487mm x 185mm x 6mm
Shelf Material	White Polythene Coated Wire
Number of Drawers	n/a
Number of Drawer Positions	n/a
Drawer Size 1 (mm) (WxDxH)	n/a
Drawer Size 2 (mm) (WxDxH)	n/a
Drawer Material	n/a
Number of Baskets	1
Basket Material	Polythene Coated Wire
Basket Size (mm) (WxDxH)	485mm x 180mm x 171mm

Weights & Dimensions

Unit External Width (mm)	595mm
Unit External Depth (mm)	600mm
Unit External Height (mm)	850mm
Unit External Depth Inc Handle (mm)	660mm
Internal Dimensions (mm) (WxDxH)	495mm x 480mm x 720mm
Product Weight (kg)	33.09kg
Packed Width (mm)	640mm
Packed Depth (mm)	660mm
Packed Height (mm)	910mm
Packed Weight (kg)	37.4kg
Country of Origin	China

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