# Laboratory Plus Bluetooth Enabled Freezer

## 312L Laboratory Plus Upright Freezer with Solid Door

GDMA code LSFSF312BT-UK SKU code 444411366



## Key features

- $\checkmark$  Local monitoring and alarm history via Bluetooth
- ✓ Lec Medical Smartphone App compatible
- $\checkmark$  Access Port, Factory fitted 16mm porthole
- $\checkmark$  Spark-free interior to reduce risk of ignition



Bluetooth

Connected

Local temperature

monitoring and

alarm history via

Bluetooth

connectivity.

Controller



# Lec Medical Smartphone App

Contactless local monitoring of air and load temperatures via smart phone app. Downloadable temperature report and alarm history.



Spark-free

We have removed

items such as fans

interior of the fridge

igniting flammable

and lights so the

has no chance of

liquids.

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Access port

Factory fitted 16mm porthole enables quick and easy access for any secondary temperature monitoring probes.



### Anti-Microbial Handle

Anti-microbial powder coating to help prevent cross contamination by inhibiting growth of microbes.



Specification: 312L Laboratory Plus Upright Freezer with Solid Door

Gress Capacity (litres)     371       Ores Capacity (litres)     200       Unit Exernal Width (mm)     660mm       Unit Exernal Width (mm)     660mm       Data Exernal Width (mm)     660mm       Packed Width (mm)     660mm       Temperature Range     670mm       Colour     670mm       Colour     670mm       Particle Statel (Mold     670mm       Door Finithe     760mm       Door Tinge     760mm       Door Tinge     760mm       Number of Door Trays     674       Number of Door Trays     764       Number of Door Trays     764       Number of Door Trays     764       Porthole Location	specification. Size Laboratory Plus opright Freezer with Solid	2001
Unit External Vielth (mm)         556mm           Unit External Height (mm)         6550mm           Packed Witht (mm)         6550mm           Packed Witht (mm)         6500mm           Packed Meight (mm)         6500mm           Door Tipe         53800m           Door Tipe         53800m           Door Tipe         53800m	Gross Capacity (litres)	312L
Unit External Depth (mm)EBSmmProduct Weight (kg)7.5.KgProduct Weight (kg)7.5.KgPacked Weight (kg)6.6.0mmPacked Weight (kg)6.6.0mmPacked Weight (kg)8.6.KgCountry of Origin1.6.KTemperature Range8.8.S to 2.8.CColour Tisish0.1.K KTemperature Range8.8.S to 2.8.CColour Tisish0.1.K KDoor Finish0.1.K KDoor Try Packed Weight (kg)0.1.K KDoor Try Packed Keight (kg)1.1.K KNumber of Door Tray Packed Keight (kg)1.1.K KNumber of Door Tray Packed Keight (kg)1.1.K KNumber of Door Tray Packed Keight (kg)	Net Capacity (litres)	290L
Unit External Height (mm)ItestmanPacked Width (mm)600mmPacked Width (mm)600mmPacked Width (mm)600mmPacked Height (mm)195mmPacked Width (mm)84.kgPacked Width (mm)84.kgPacked Width (mm)420mmPacked Width (mm)420mmPacked Width (mm)420mmPacked Width (mm)420mmPacked Width (mm)420mmPacked Width (mm)420mmPacked Width (mm)420mmCourt of Origin420mmIternal Dimesions (mm) (WXDXH)420mmPartine Packed Width (mm)90mmPartine Packed Width (mm)90mmPartine Packed Width (mm)90mmPacked Width (mm)90mm <td< th=""><th>Unit External Width (mm)</th><th>595mm</th></td<>	Unit External Width (mm)	595mm
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Packed Width (mm)         660mm           Packed Width (mm)         660mm           Packed Width (mm)         660mm           Packed Width (log)         841%g           Country of Origin         UK           Internal Dimesions (mm) (WXDKH)         4220mm           Temperature Range         48°C to 20°C           Colour         White/Crean           Temperature Range         88°C to 20°C           Colour         White/Crean           Temperature Range         88°C to 20°C           Colour         White/Crean           Type of plastic         181800 (18145 m)           Door Finish         Dertrish           Door Finish         Dertrish           Door Finish         Barted Steel / Sold           Door Tray         16%           Number of Door Trays         16%           Number of Door Trays         16%           Number of Door Tray Sold         16%           Number of Door Tray Sold         16%           Colour         16%           Porthole         16%           Porthole         16%           Porthole         16%           Porthole         16%           Porthole Coaction         18%		
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Packed Veight (mm)BasemPacked Veight (kg)B4.1kgCountry of OriginUKInternal Dimesions (mm) (WXXH)4.20mm x.55mm XIDmmTemperature RangeB4.1kgColourWhteQicreenColourWhteQicreenExternal FinishBarterd StellInternal FinishBarterd StellInternal FinishBarterd StellDoor FinishDaterd StellDoor FinishBarterd StellDoor TypeSoldDoor TypeSoldDoor TypeSoldDoor TypeSoldDoor TypeSoldDoor TypeNumber of Door TrayNumber of Door TraynfaNumber of Door TrayNumber of Door TrayReplacement Door SealYesLockYesAdjustable Feet (number & position)2.2 dustable (front)Porthole StaeNesPorthole StaeYesTemperature Display on PanelYesTemperature Display on PanelYesYesYesNumber of ShellPositionsBShelf Stae (mm) (WXXH)YesShelf Stae (mm) (WXXH)YesDrawer MaterialYesInterior Light VickNaShelf Stae (mm) (WXXH)YesShelf Stae (mm) (WXXH)YesDrawer MaterialYesDrawer MaterialNaLight KtypeNaLight KtypeNaLight KtypeNaShelf MaterialNaShelf MaterialNa </th <th></th> <th></th>		
Packed Weight (kg)BakingCountry of OriginUKInternal Dimensions (mm) (WXDXH)430mm x 250mm x 170mmColourWith SCreenExternal FinishBarted SerienInternal FinishBarted SerienInternal FinishBarted SerienDoor Tipe of plasticSkiRob (HHB/AKS mw)Door Type of plasticSkiRob (HHB/AKS mw)Door Top of Tray PositionsNumber of Door Tray SkiRob (Hord)Number of Door Tray positionsN/ANumber of Door Tray positionsN/ADoor SensorYesLockYesPorthole Doc SensorYesPorthole SizeNemePorthole SizeNemePorthole CacationNemeTemperature Display on PanelYesTemperature Display on PanelYesNumber of Shelf PositionsRNumber of Shelf PositionsRNumber of Shelf PositionsRShelf Size (mm) (WXDXH)Scientm X:Number of Shelf PositionsRShelf Size (mm) (WXDXH)Scientm X:Shelf Size (mm) (WXDXH)Scientm X:Differ Size (mm) (WXDXH)Scientm X:Shelf Size (mm) (WXDXH)Scientm X:Shelf Size (mm) (WXDXH)Scientm X:Shelf Size (mm) (WXDXH)<		
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Temperature Range		
Colour         White/Creen           External Finish         Paired Steel           Internal Finish         1195           Door Finish         SRI Bool (1195/ABS mix)           Door Type         Sold           Door Tray         Number of Door Tray Positions           Door Open Door Seal         Number of Door Tray Sold           Door Open Door Sensor         Yes           Lock         Yes           Adjustable Feet (number & position)         2 adjustable Feet (number & position)           Porthole Size         Nem           Porthole Size         Nem           Porthole Size         Yes           Remote Alarms         Yes           Number of Shelf Positions         8           Shelf Material         Clock           Number of Shelf Positions         8           Shelf Material         Stein Material           Number of Shelf Positions         8           Shelf Material         Stein Material           Charms Zistim x Simm X		
External Finish         Pinish           Type of plastic         SBLB001 (LIPS/ADS maj)           Door Finish         Patnett Steef (2xid)           Door Style         Sald           Door Style         Sald           Door Style         Fast           Door Style         Fast           Door Style         Fast           Number of Door Tray         Fast           Number of Door Tray Positions         n/a           Door Style         Number of Door Tray           Door Style         Number of Door Tray Positions           Door Statistics         n/a           Open Door Sensor         Ves_           Porthole         Ves_           Porthole Statistics         N/a           Porthole Cacation         Rear Soltom           Temperature Display on Panel         Ves_           Temperature Display on Panel         Ves_           Porthole Cacation         N/a           Remote Alarm Contacts         N/a           Number of Shelf Positions         8           Numbe		
InternalFinish HIPS InternalFinish BRIDOL HIPS/ASS mk) Door Finish Painted Steel / Solid Door Style Door Liner Number of Door Trays Number of Door Trays Replacement Door Seal Nor Open Door Seal Ves. Lock K Adjustable Feet (number & position) Porthole Size Temperature Display on Panel Ves. Temperature Display on Panel Ves. Temperature Display on Panel Number of Shelf Positions Number of Shelf Positions Shelf Material Number of Shelf Positions Parken Size Shelf Material Drawer Size (mm) (WXDH) Trawer Size (mm) (mm) Size (mm) (mm) (mm) (mm) Size (mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm		
Type of plastic         SR200 HH92A32 mk)           Door Finish         Peatred Steal/Solid           Door Type         Solid           Door Tinye         Solid           Door Tinye         Fait           Number of Door Tray Positions         n/a           Door Sensor         n/a           Door Door Sensor         Yes           Open Door Sensor         Yes           Dorthole Size         Yes           Porthole Size         16 mm           Porthole Size (mm) (WxDxH)         Yes           Number of Shelves/Drawers         8           Number o		Painted Steel
Door FinishPartned Steel / SolidDoor TypeSolidDoor LinerFlatNumber of Door Traysr/sNumber of Door Traysr/sNumber of Door Trays Positionsr/sDoor Open Depth (mm)TISOmmReplacement Door SealYesOpen Door SensorYesLockYesAdjustable Feet (number & position)2 adjustable (from )Porthole SizeYesPorthole LocationReir BottomTemperature Display on PanelYesTemperature Display on PanelYesTemperature AlarmYesNumber of Shelf Positions8Number of Shelf Positions8Shelf Size (num) (WXDXH)YesShelf Size (num) (WXDXH)YesTraver MarinalYesDraver Size (num) (WXDXH)Yes Size (num) (WXDXH)Shelf MaterialNoLight TypeYesDefrost settingAuto (Grocke)Controller TypeAuto (Grocke)Defrost settingAuto (Grocke)Controller TypeAuto (Grocke)Defrost settingAuto (Grocke)Defrost settingAuto (Grocke)Controller TypeAuto (Grocke)Number of Probes1Probe TypeAirBattery Back Up/HoursHonButeroot HoursBornSpark FreeYesDefrost settingAuto (Grocke)Controller TypeAirBattery Back Up/HoursBornButtort TypeAir<		HIPS
Door Type         Sold           Door Style         Hinged. Reversible           Door Liner         Flat           Number of Door Tray Positions         n/s           Door Open Depth (mm)         150mm           Replacement Door Seal         Ves           Open Door Sensor         Ves           Lock         Ves_2 Keys           Adjustable Feet (number & position)         2 adjustable (front)           Porthole         Ves           Porthole Size         Yes           Porthole Location         Rew & Bottom           Temperature Display on Panel         Yes           Temperature Display on Panel         Yes           Temperature Alarm         Yes           Remote Alarms         Yes           Number of Shel/Positions         8           Number of Shel/Positions         8           Number of Shel/Positions         8           Shelf Size (mm) (WxDxH)         Yes Size (mm) (XxDxH)           Drawer Material         Glass/HiPS           Drawer Size (mm) (XxDxH)         Yes Size (mm) (XxDxH)           Tareer Size (mm) (XxDxH)         Yes Size (mm) (XxDxH)           Drawer Size (mm) (XxDxH)         No           Light Xetivation         n/s	Type of plastic	SRL800 (HIPS/ABS mix)
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Door Liner         Fat           Number of Door Tray Positions         n/a           Door Open Depth (mm)         150mm           Door Open Depth (mm)         150mm           Replacement Door Seasor         Ves           Open Door Sensor         Ves           Lock         Ves_2 Keys           Adjustable Feet (number & position)         2 adjustable (front)           Porthole Size         16mm           Porthole Location         Rear Bottom           Temperature Display on Panel         Ves           Permote Alarma Contacts         Ves           Remote Alarma Contacts         Ves           Number of Shelf/Positions         8           Number of Shelf/Positions         8           Number of Shelf/Positions         8           Shelf Material         Class/HIPS           Drawer Size (mm)(WXDxH)         7(2) 385mm x395mm x242mm x205mm           Drawer Size (mm)(WXDxH)         7(3) 385mm x395mm x242mm x205mm           Defrost setting         Ado           Defrost setting         Ado           Defrost setting         Ado           Defrost setting         Ado(Df Cycle)           Controller Type         Degradus           Defrost setting         Ado (Df Cycle)		Hinaed. Reversible
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Door Open Depth (mm)IBS0mmReplacement Door SensorVesLockVes (2 KeysAdjustable Feet (number & position)2 adjustable (front)PortholeVesPorthole Size0 mmPorthole CoationRear BottomTemperature Display on PanelVesTemperature Display on PanelVesAdlible AlarmsVesVisial AlarmsVesVisial AlarmsVesNumber of Shelves/Drawers8Shelf Size (mm) (WxDxH)VesDrawer Size (mm) (WxDxH)7@ 385mm x 395mm x 95mm (10) 385mm x 242mm x 205mmDrawer MaterialNoLight TypeNoLight TypeNoSpark FreeVesDefrost settingAuto (Off Cycle)Conciller TypeAuto (Off Cycle)Conciller TypeAuto (Off Cycle)Number of Photes1Probe TypeAuto (Off Cycle)Conciller TypeAuto (Off Cycle)Shelf StettingAuto (Off Cycle)Controller TypeAuto (Off Cycle)Number of Photes1Probe TypeAuto (Off Cycle)Number of Photes1Probe TypeAuto (Off Cycle)Number of Photes1Number of Photes1Probe TypeAuto (Off Cycle)Number of Photes1Probe TypeAuto (Off Cycle)Number of Photes1Probe TypeAuto (Off Cycle)Number of Photes1Probe TypeAuto (Off Cycle)		
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Lock     Yes 2 Keys       Adjustable Feet (number & position)     2 adjustable (front)       Porthole Size     Yes       Porthole Coation     Rear Bottom       Temperature Display on Panel     Yes       Temperature Alarm Contacts     Yes       Audible Alarms     Yes       Audible Alarms     Yes       Number of Shelves/Drawers     8       Number of Shelves/Drawers     8       Shelf Size (mm) (WxDxH)     Class/mmx 6mm       Shelf Size (mm) (WxDxH)     Class/mmx 185mm x 242mm x 205mm       Drawer Material     IHPS*       Light Activation     n/a       Light Activation     n/a       Earn     No       Spark Free     Yes       Defrost setting     Auto (Off Cycle)       Controller Type     No       Bittery Back Up/Hours     No       Buttery Back Up/Hours     No       Buttery Back Up/Hours     No       Ster Type     No       Signa Science     Yes       Defrost setting     Auto (Off Cycle)       Controller Type     Air       Ambient Temperature Range     10°C to 32°C       Refrigerant Type     Air       Ambient Temperature Range     10°C to 32°C       Refrigerant Type     Heips       Aution		
Adjustable Feet (number & position)       2 adjustable (front)         Porthole       Yes         Porthole Size       N6 mm         Porthole Location       Rear Bottom         Temperature Display on Panel       Yes         Temperature Alarm       Yes         Remote Alarm Contacts       Yes         Audible Alarms       Yes         Visual Alarms       Yes         Number of Shelves/Dravers       8         Number of Shelves/Dravers       8         Shelf Size (mm) (WxDxH)       495mm x325mm x 6mm         Shelf Material       Class/HIPS         Draver Size (mm) (WxDxH)       7@ 385mm x395mm x195mm, 10@ 385mm x205mm         Draver Size (mm) (WxDxH)       7@ 385mm x395mm x195mm, 10@ 385mm x205mm         Draver Size (mm) (WxDxH)       7@ 385mm x395mm x195mm, 10@ 385mm x205mm         Draver Size (mm) (WxDxH)       7@ 385mm x395mm x195mm, 10@ 385mm x205mm         Draver Size (mm) (WxDxH)       7@ 385mm x395mm X195mm, 10@ 385mm x205mm         Draver Size (mm) (WxDxH)       7@ 385mm x395mm x195mm, 10@ 385mm x205mm         Draver Size (mm) (WxDxH)       7@ 385mm x395mm x195mm, 10@ 385mm x205mm         Draver Size (mm) (WxDxH)       7@ 385mm x395mm x195mm, 10@ 385mm x205mm         Draver Size (mm) (WxDxH)       7@ 385mm x395mm x195mm, 10@ 385mm x395mm x195mm, 10@ 38		
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Porthole Location         Rear Bottom           Temperature Display on Panel         Yes           Temperature Alarm         Yes           Remote Alarm Contacts         Yes           Audible Alarms         Yes           Visual Alarms         Yes           Number of Shelves/Drawers         8           Number of Shelves/Drawers         8           Number of Shelf Positions         8           Shelf Size (mm) (WxDxH)         495mm x 325mm x 6mm           Shelf Size (mm) (WxDxH)         7(@ 385mm x 395mm x 105 mm, 10@ 385mm x 205mm           Drawer Size (mm) (WxDxH)         7(@ 385mm x 395mm x 105 mm, 10@ 385mm x 205mm           Drawer Size (mm) (WxDxH)         7(@ 385mm x 395mm x 105 mm, 10@ 385mm x 205mm           Drawer Size (mm) (WxDxH)         7(@ 385mm x 395mm x 105 mm, 10@ 385mm x 205mm           Drawer Size (mm) (WxDxH)         7(@ 385mm x 395mm x 105 mm, 10@ 385mm x 205mm           Drawer Size (mm) (WxDxH)         7(@ 385mm x 395mm x 105 mm, 10@ 385mm x 205mm           Drawer Size (mm) (WxDxH)         7(@ 385mm x 395mm x 105 mm, 10@ 385mm x 205mm           Drawer Size (mm) (WxDxH)         7(@ 385mm x 305 mm, 10@ 385mm x 205mm           Drawer Size (mm) (WxDxH)         7(@ 385mm x 105 mm, 10@ 385mm x 205 mm)           Drawer Size (mm) (WxDxH)         7(@ 50 mm)           Drawer Size (mm)		Yes
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Voltage Supply (v)     220-240V       Insulation Thickness (mm)     80mm       Insulation Type     High Density Polyurethane Foam       Blowing Agent     Cyclopentane       Anti Microbial Handle     Yes	Ambient Temperature Range	10°C to 32°C
Voltage Supply (v)     220-240V       Insulation Thickness (mm)     80mm       Insulation Type     High Density Polyurethane Foam       Blowing Agent     Cyclopentane       Anti Microbial Handle     Yes	Refrigerant Type	R600a
Insulation Thickness (mm)     80mm       Insulation Type     High Density Polyurethane Foam       Blowing Agent     Cyclopentane       Anti Microbial Handle     Yes		
Insulation Type         High Density Polyurethane Foam           Blowing Agent         Cyclopentane           Anti Microbial Handle         Yes		
Blowing Agent         Cyclopentane           Anti Microbial Handle         Yes		
Anti Microbial Handle Yes		
		JIZL



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Tel : 01759 301142 Fax : 01759 301143 sales@wolflabs.co.uk

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