

# PRODUCT CATALOG



# -86°C ULT FREEZER UPRIGHT BFUR-86-314





#### -86°C ULT FREEZER UPRIGHT BFUR-86-314

Freezers designed for daily sample protection and dependability. Environment friendly with safety features, these freezers provide outstanding thermal stability for a huge amount of samples. Modify your requirements with several optional features including chart recorder, CO2 back-up system, storage racks and remote alarm system. Used in Preservation Of Plasma, Microbial Cultures, Tissues, Cell Lines, Clinical, Industrial, Research. Also known as Laboratory ULT freezer, ULT Freezer, Ultra-low Freezer.

### BFUR-86-314 -86°C ULT FREEZER UPRIGHT



Settable high temperature and low temperature alarms

Automatic clean-filter alarm and sensor error alert

Adjustable storage shelf height

Unique insulated inner door design for four separate storage compartments to minimize frost buildup inside the chamber

Specialized control system design for a well-balanced operation of cascade refrigeration system

Audible and visible alarm

Door open feature standard and USB port for temperature date downloading standard on upright models

Remote alarm contacts

Unique door seal design for the minimum loss of cold temperature during a door opening

High performance VIP insulation panels to minimize cabinet heat gain and to improve temperature stability

## **SPECIFICATIONS**

Capacity  Temperature Range  -40°C to -86°C  Ambient Temperature  10°C ~ +32°C  Temperature Increament  1°C  Defrosting  Manual  Cooling Type  Direct Cooling  Insulation Material  PURF  Refrigerant  HC  Internal Dimension  0 verall Dimension  Package Size  Drawers/Shelves  Stainless steel shelf/3	Model	BFUR-86-314
Temperature Range	1.000	2. 3.1. 3.5 3.2 1
Ambient Temperature 10°C ~ +32°C  Temperature Increament 1°C  Defrosting Manual  Cooling Type Direct Cooling  Insulation Material PURF  Refrigerant HC  Internal Dimension 894x718x1310 mm  Overall Dimension 1179x1135x1994.5 mm  Package Size 1212x1098x2185 mm  Drawers/Shelves Stainless steel shelf/3  Interior Stainless steel  Exterior Color sprayed steel  Controller Microprocessor, Digital display  Sensor PTC  Compressor Brand/QTY SECOP/2  Evaporator Material Copper tube evaporator	Capacity	838 L
Temperature Increament  Defrosting  Manual  Cooling Type  Direct Cooling  Insulation Material  Refrigerant  HC  Internal Dimension  Overall Dimension  Package Size  1212x1098x2185 mm  Drawers/Shelves  Stainless steel shelf/3  Interior  Stainless steel  Exterior  Color sprayed steel  Controller  Microprocessor, Digital display  Sensor  PTC  Compressor Brand/QTY  Secop/2  Evaporator  Evaporator Material  Direct Cooling  Manual  Manual  Manual  Manual  Manual  Annual  Meanual  Annual  PURF  HC  LOC  Interior  894x718x1310 mm  1179x1135x1994.5 mm  2112x1098x2185 mm  Stainless steel shelf/3  Interior  Stainless steel  Exterior  Color sprayed steel  Controller  Microprocessor, Digital display  Sensor  PTC  Compressor Brand/QTY  SECOP/2  Evaporator  Submerged coil evaporator	Temperature Range	-40°C to -86°C
Defrosting Manual Cooling Type Direct Cooling Insulation Material PURF Refrigerant HC Internal Dimension 894x718x1310 mm Overall Dimension 1179x1135x1994.5 mm Package Size 1212x1098x2185 mm Drawers/Shelves Stainless steel shelf/3 Interior Stainless steel Exterior Color sprayed steel Controller Microprocessor, Digital display Sensor PTC Compressor Brand/QTY SECOP/2 Evaporator Material Copper tube evaporator	Ambient Temperature	10°C ~ +32°C
Cooling Type Direct Cooling Insulation Material PURF Refrigerant HC Internal Dimension 894x718x1310 mm Overall Dimension 1179x1135x1994.5 mm Package Size 1212x1098x2185 mm Drawers/Shelves Stainless steel shelf/3 Interior Stainless steel Exterior Color sprayed steel Controller Microprocessor, Digital display Sensor PTC Compressor Brand/QTY SECOP/2 Evaporator Material Copper tube evaporator	Temperature Increament	1℃
Insulation Material PURF Refrigerant HC Internal Dimension 894x718x1310 mm Overall Dimension 1179x1135x1994.5 mm Package Size 1212x1098x2185 mm Drawers/Shelves Stainless steel shelf/3 Interior Stainless steel Exterior Color sprayed steel Controller Microprocessor, Digital display Sensor PTC Compressor Brand/QTY SECOP/2 Evaporator Submerged coil evaporator Evaporator Material Copper tube evaporator	Defrosting	Manual
Refrigerant HC Internal Dimension 894x718x1310 mm Overall Dimension 1179x1135x1994.5 mm Package Size 1212x1098x2185 mm Drawers/Shelves Stainless steel shelf/3 Interior Stainless steel Exterior Color sprayed steel Controller Microprocessor, Digital display Sensor PTC Compressor Brand/QTY SECOP/2 Evaporator Material Copper tube evaporator	Cooling Type	Direct Cooling
Internal Dimension 894x718x1310 mm  Overall Dimension 1179x1135x1994.5 mm  Package Size 1212x1098x2185 mm  Drawers/Shelves Stainless steel shelf/3  Interior Stainless steel  Exterior Color sprayed steel  Controller Microprocessor, Digital display  Sensor PTC  Compressor Brand/QTY SECOP/2  Evaporator Submerged coil evaporator  Evaporator Material Copper tube evaporator	Insulation Material	PURF
Overall Dimension 1179x1135x1994.5 mm  Package Size 1212x1098x2185 mm  Drawers/Shelves Stainless steel shelf/3  Interior Stainless steel  Exterior Color sprayed steel  Controller Microprocessor, Digital display  Sensor PTC  Compressor Brand/QTY SECOP/2  Evaporator Submerged coil evaporator  Evaporator Material Copper tube evaporator	Refrigerant	HC
Package Size Drawers/Shelves Stainless steel shelf/3 Interior Stainless steel Exterior Color sprayed steel Controller Microprocessor, Digital display Sensor PTC Compressor Brand/QTY Evaporator Evaporator Material Stainless steel Stainless	Internal Dimension	894x718x1310 mm
Drawers/Shelves Stainless steel shelf/3 Interior Stainless steel Exterior Color sprayed steel Controller Microprocessor, Digital display Sensor PTC Compressor Brand/QTY SECOP/2 Evaporator Evaporator Material Copper tube evaporator	Overall Dimension	1179x1135x1994.5 mm
Interior Stainless steel  Exterior Color sprayed steel  Controller Microprocessor, Digital display  Sensor PTC  Compressor Brand/QTY SECOP/2  Evaporator Submerged coil evaporator  Evaporator Material Copper tube evaporator	Package Size	1212x1098x2185 mm
Exterior Color sprayed steel  Controller Microprocessor, Digital display  Sensor PTC  Compressor Brand/QTY SECOP/2  Evaporator Submerged coil evaporator  Evaporator Material Copper tube evaporator	Drawers/Shelves	Stainless steel shelf/3
Controller Microprocessor, Digital display  Sensor PTC  Compressor Brand/QTY SECOP/2  Evaporator Submerged coil evaporator  Evaporator Material Copper tube evaporator	Interior	Stainless steel
Sensor PTC Compressor Brand/QTY SECOP/2 Evaporator Submerged coil evaporator Evaporator Material Copper tube evaporator	Exterior	Color sprayed steel
Compressor Brand/QTY SECOP/2  Evaporator Submerged coil evaporator  Evaporator Material Copper tube evaporator	Controller	Microprocessor, Digital display
Evaporator Submerged coil evaporator Evaporator Material Copper tube evaporator	Sensor	PTC
Evaporator Material Copper tube evaporator	Compressor Brand/QTY	SECOP/2
	Evaporator	Submerged coil evaporator
Condenser Copper tube and finned	Evaporator Material	Copper tube evaporator
	Condenser	Copper tube and finned

Noise Level	55 db
Alarm	High/low temperature, Power off, Sensor malfunction, Abnormal voltage, Filter screen check, Thermostat failure, Low battery, Condensor clean, High ambient temperature, Door ajar
Standard Accessories	Castor, Inner doorx2, Test hole 1/25 mm, USB port
Optional Accessories	Data logger, CO2 backup system, LN2 backup system, Temperature recorder, Storage racks and storage box
Weight (Net/Gross)	397 / 430 kg
Rated Power	890 W
Power Consumption ( Kwh/24hrs )	15
Rated Current A	7
Power Supply	220V, 50Hz



### Biolab Scientific Ltd.

3660 Midland Avenue, Suite 300, Toronto, Ontario M1V 0B8, Canada Email: info@biolabscientific.com | Website: www.biolabscientific.com