Panasonic





Models: GPR-22-1 | GPR-50-2 | GPR-72-3

GPF-24-1 | GPF-47-2

Versatile 4°C and -20°C preservation for laboratory research and life science materials.

proto Cool

GENERAL PURPOSE LABORATORY REFRIGERATORS & FREEZERS





Proto° Cool™ General Purpose Laboratory Refrigerators

2°C to 8°C Refrigerators

GPR-22-1 | GPR-50-2 | GPR-72-3

Energy efficient design with user friendly construction for easier day-to-day use.

Proto "Cool" general purpose laboratory refrigerators are used for storage of life science research materials such as cell culture media, agar plates, PCR materials, DNA, and other research reagents.

Proto° Cool™ General Purpose Laboratory Freezers

-20°C Freezers

GPF-24-1 | GPF-47-2

Durable construction with energy efficient design, intended for versatile storage of scientific products.

Proto Cool* general purpose laboratory freezers are used for -20°C storage of life science research materials such as enzymes, media components, DNA, and experimental reagents.

GENERAL PURPOSE LABORATORY REFRIGERATOR & FREEZER APPLICATIONS

Models: GPR-22-1 | GPR-50-2 | GPR-72-3 | GPF-24-1 | GPF-47-2



Scientific Applications

- Storage of buffers, stains, and other non-explosive chemicals
- Preservation of agar plates and media components for improved cell growth and yield
- Maintenance of DNA, antibodies, and the viability of other materials necessary in molecular protocols



VERSATILE STORAGE

Units can be used in a large number of general scientific and experimental protocols for life science applications.

OPTIMAL USABILITY

Interior LED lighting and self-closing doors allow for optimal access, inventory tracking, and handling of laboratory materials.

ENERGY EFFICIENT

Constructed with efficient evaporators, condensers, and CFC-free refrigerants that contribute to better freezing efficiency while saving on energy costs.

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GPR-50-2

GENERAL PURPOSE LABORATORY REFRIGERATOR & FREEZER APPLICATIONS

Models: GPR-22-1 | GPR-50-2 | GPR-72-3 | GPF-24-1 | GPF-47-2

Reagent Storage

EXPERIMENTAL REAGENTS

Proto *Cool™ refrigerators and freezers are well-suited for storage of buffers, stains, and other non-explosive chemicals.

CELL CULTURE MEDIA

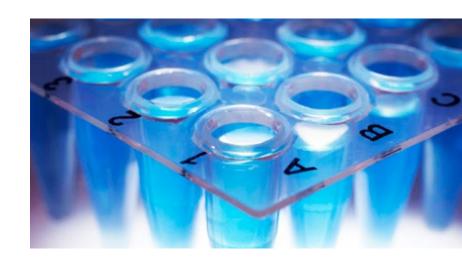
Optimally preserve your agar and media components to ensure better cell growth and yield.

Reliably preserve your laboratory media, reagents, and specimens using $\text{Proto}^{\circ}\text{Cool}^{\text{M}}$ General Purpose 4°C Refrigerators and -20°C Freezers.



DNA AND ANTIBODIES

Store DNA, enzymes, antibodies, and other materials needed for PCR, Western Blots, Flow Cytometry, and other key molecular biology protocols.



GENERAL PURPOSE LABORATORY REFRIGERATOR TECHNOLOGY

Models: GPR-22-1 | GPR-50-2 | GPR-72-3



GPR-72-3

EFFICIENT REFRIGERATION SYSTEM



Large evaporators, condensers, and CFC-free refrigerants allow for improved efficiency and faster cooling.

LARGE CAPACITY



Increased capacity provides optimized storage for more materials and reagents, while adjustable shelves offer flexible storage configurations.

Applicable to GPR-50-2 and GPR-72-3 only.



DURABLE CONSTRUCTION

Refrigeration units are built with adjustable, coated wire shelves, and double pane glass doors for equipment longevity and improved efficiency of daily procedures.



ADVANCED FAN CONTROL

A unique fan control system helps conserve energy, reduce stress on the system, and re-stabilize internal temperature following door openings.



INTERIOR LED LIGHTING

Energy efficient LED lighting helps maximize visibility and accessibility of samples.



GPR-72-3 fan system.

GENERAL PURPOSE LABORATORY FREEZER TECHNOLOGY

Models: GPF-24-1 | GPF-47-2



GPF-47-2

STAINLESS STEEL CONSTRUCTION



Built to last, Proto° Cool™ freezers have a stainless steel exterior and interior with aluminum inside walls to ensure durability.

SUPERIOR INSULATION



High-density, CFC-free polyurethane insulation in the cabinet and doors promote superior temperature uniformity.

GPF-24-1





ADVANCED FAN CONTROL

The evaporator fan stops when the door is opened to prevent circulation of hot or moist air into the freezer, increasing efficiency and compressor life.



DIGITAL CONTROLS & VISUAL ALERTS

A digital control system with LED display provides a precise readout of interior temperatures in the freezer. Visual high and low alerts provide awareness of extreme cabinet temperatures.

REFRIGERATOR SPECIFICATIONS

GENERAL PURPOSE REFRIGERATOR DIMENSIONS proto*Coo* **MODEL GPR-72-3 GPR-22-1 GPR-50-2** External dimensions inches 28.8 x 27.6 x 80.0 55.8 x 32.0 x 78.5 78.0 x 32.0 x 79.2 $\{W \times D \times H\}$ External dimensions 732 x 702 x 2028 1417 x 813 x 1994 1981 x 813 x 2013 mm $(W \times D \times H)$ Internal dimensions 52.8 x 24.5 x 61.3 74.6 x 23.2 x 60.6 inches 24.1 x 23.6 x 62.1 $(W \times D \times H)$ Internal dimensions 613 x 600 x 1580 1341 x 622 x 1556 1895 x 590 x 1539 $(W \times D \times H)$ Volume cu.ft. 22 50 72 Volume liters 623 1416 2039 Net Weight 225 474 705 lbs. Performance Temperature Range °C 2 to 8 2 to 8 2 to 8 Control Temperature Controller Thermostat Dial Thermostat Dial Thermostat Dial Temperature Sensor Internal Thermometer Internal Thermometer Internal Thermometer Refrigeration Cooling Method Forced Air Fin and Tube Forced Air Fin and Tube Forced Air Fin and Tube Defrost Method Automatic Defrost Automatic Defrost Automatic Defrost R-134a R-134a R-134a Refrigerant High Density High Density Insulation High Density Polyeurethane Polyeurethane Polyeurethane Construction Exterior Material Painted Steel Painted Steel Painted Steel Interior Material Molded ABS Molded ABS Molded ABS Outer Door 1, Self-closing 3, Shelf-closing 2, Self-closing (Quantity) Shelves (W x D) inches 4 Shelves, 25.5 x 19.3 8 Shelves, 25.3 x 23.3 12 Shelves, 23.5 x 23.75 Included, not Included, not Casters Included, not pre-installed pre-installed pre-installed Lighting LED LED LED **Electrical** Electrical 115 / 60 / 1, NEMA 5-15P Plug 115/60/1, NEMA 5-15P Plug 115 / 60 / 1, NEMA 5-15P Plug Requirements Electrical (·) ETL, NSF ETL, NSF ETL, NSF Certification inches 5" Diameter swivel casters 5" Diameter swivel casters 5" Diameter swivel casters Optional Accessories Additional PE coated wire Additional PE coated wire shelves Additional PE coated wire shelves shelves

FREEZER SPECIFICATIONS

GENERAL PURPOSE FREEZER DIMENSIONS			
MODEL		GPF-24-1	GPF-47-2
		0FF-24-1	GFF-47-2
External dimensions (W x D x H)	inches	28.7 x 30.7 x 78.0	51.7 x 30.7 x 78.0
External dimensions (W x D x H)	mm	730 x 780 x 1980	1314 x 780 x 1980
Internal dimensions (W x D x H)	inches	24.8 x 26.6 x 60.6	47.8 x 26.6 x 60.6
Internal dimensions (W x D x H)	mm	629 x 675 x 1539	1213 x 675 x 1539
Volume	cu.ft.	24	47
Volume	liters	680	1331
Net Weight	lbs.	280	435
Performance			
Temperature Range	°C	-17 to -23	-17 to -23
Control			
Temperature Controller		Touch Pad Control	Touch Pad Control
Display		Digital	Digital
Temperature Sensor		Thermometer	Thermometer
Temperature Alerts		Visual	Visual
Refrigeration			
Cooling Method		Forced Air Fin and Tube	Forced Air Fin and Tube
Defrost Method		Automatic Defrost	Automatic Defrost
Refrigerant		R-404A	R-404A
Insulation		High Density Polyeurethane	High Density Polyeurethane
Construction			
Exterior Material		Stainless Steel	Stainless Steel
Interior Material		Stainless Steel with PE coated wire shelves	Stainless Steel with PE coated wire shelves
Outer Door (Quantity)		1	2
Shelves (W x D)	inches	3 Shelves, 23.5 x 23.75	6 Shelves, 23.5 x 23.1
Door Lock		Standard	Standard
Casters	inches	Standard 4" Swivel	Standard 4" Swivel
Electrical			
Electrical Requirements	<u>.</u>	115 / 60 / 1, NEMA-5-15P Plug	115 / 60 / 1, NEMA-5-15P Plug
Electrical Certification		ETL, NSF	ETL, NSF
	inches	5" Diameter swivel casters	5" Diameter swivel casters
Optional Accessories	inches	6" Standard legs	6" Standard legs
		Additional PE coated wire shelves	Additional PE coated wire shelves

GPF-24-1 and GPF-47-2 is not ideal for the use in storage of vaccines and other pharmaceutical biologicals.

Panasonic

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