HELMER SCIENTIFIC PRODUCT PORTFOLIO
Product Guide

CLINICAL LABORATORY
BLOOD BANK | TRANSFUSION SERVICE
BLOOD CENTER
PHARMACY

Helmer SCIENTIFIC

Outside US and Canada

Helmer Scientific

Blood Bank Cold Storage

Maintaining the highest level of patient care and safety is your priority. For critical temperature controlled storage and processing equipment, Helmer Scientific is the company you can trust.

Helmer offers many outstanding products for the clinical laboratory and blood bank. Our refrigerators and freezers are designed and manufactured specifically for the safe storage of critical samples, reagents, blood and more with true medical-grade performance.

Backed with industry leading warranties, Helmer laboratory solutions meet your most demanding applications and take the worry out of cold storage, letting you focus on what's important to you.

Understanding Helmer Cold Storage Model Numbers

The first three letters of a Helmer part number represent the series, segment type and product type. These are followed by three numbers which represent the number of doors followed by the capacity of the unit. Any additional letters will be included after a hyphen and represent a special product type.

Model Nomenclature Guide
Example iLR125-GX

Series	Type	Product	Number of doors	Capacity	Line
i.Series	Laboratory	Refrigerator			
i	L	R	1	25	GX

GX Solutions Professional Medical-grade Blood Bank Refrigerators

i.Series® · Horizon Series™
+2ºC to +10ºC Factory set to +4ºC

- » Powered by OptiCool™ cooling technology with variable capacity compressor (VCC) and natural hydrocarbon refrigerants
- » Maximum temperature uniformity and quick recovery
- » Sustainable U.S EPA and SNAP compliant natural refrigerants and foaming agents
- » Solid, stainless steel pull out, liquid-tight drawers
- » Bacteria-resistant powder coating
- » Directional LED lighting (Standard on Upright)
- » Self-closing doors with magnetic closure
- » Standard glycol bottle or optional solid ballast simulator
- » Custom storage: drawers, ventilated drawers and ventilated shelves
- » ADA compliant full-length handle and compatible with ADA compliant countertops

iBR105-GX HBR105-GX   iBR113-GX HBR113-GX

iBR120-GX / iBR125-GX   HBR120-GX / HBR125-GX   iBR245-GX / iBR256-GX   HBR245-GX / HBR256-GX

GX Solutions Blood Bank Refrigerator Selection Guide

Model Number	Capacity cu ft | L	Series	Style	Electrical Frequency V (Hz)	Door(s)	Solid Drawers	Sound Level (dB)	Exterior Dimensions W x H x D (in|mm)	Net Weight lb | kg
iBR105-GX HBR105-GX	5.3 | 150	i.Series Horizon Series	Undercounter	115 (60) 220-240 (50/60))	1, Solid	2	42	24 x 31.5 x 26.7 | 610 x 798 x 678	186 | 85
iBR113-GX HBR113-GX	13.3 | 377	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	1, Dual-pane glass	5	39	24.1 x 70.5 x 26.1 | 612 x 1790 x 663	342 | 156 337 | 153
iBR120-GX HBR120-GX	20.2 | 572	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	1, Dual pane glass	7	49	29 x 79.6 x 28.2 | 737 x 2021 x 715 29 x 78.3 x 28.2 | 737 x 1989 x 715	507 | 230 504 | 229
iBR125-GX HBR125-GX	25.2 | 714	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	1, Dual-pane glass	7	49	29 x 79.6 x 34.2 | 717 x 2021 x 867 29 x 78.3 x 34.2 | 717 x 1989 x 867	535 | 243 532 | 242
iBR245-GX HBR245-GX	44.9 | 1271	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	2, Dual-pane glass	14	52	59 x 79.6 x 28.2 | 1499 x 2021 x 715 59 x 78.3 x 28.2 | 1499 x 1989 x 715	809 | 367 808 | 367
iBR256-GX HBR256-GX	56 | 1586	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	2, Dual-pane glass	14	52	59 x 79.6 x 34.2 | 1499 x 2021 x 867 59 x 78.3 x 34.2 | 1499 x 1989 x 867	863 | 392 853 | 387

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Blood Bank Pass-Thru Refrigerators

i.Series® · Horizon Series™

+2ºC to +10ºC Factory set to +4ºC

» Maximum temperature uniformity and quick recovery
» Solid, stainless steel pull out, liquid-tight drawers
» Bacteria-resistant powder coating
» Directional LED lighting (Standard on Pass-Thru)
» Self-closing doors with magnetic closure
» Custom storage options: drawers, shelves and roll-out baskets
» Interlock doors (Optional on i.Series® models)
» ADA compliant full-length handle

iB225   HB225   iB456   HB456

Pass-Thru Refrigerator Selection Guide

Model Number	Capacity cu ft | L	Series	Style	Electrical Frequency V (Hz)	Door(s)	Solid Drawers	Exterior Dimensions W x H x D (in|mm)	Net Weight lb | kg
iB225 HB225	26.5 | 750	i.Series Horizon Series	Pass-Thru	115 (60) 230 (50/60)	1, Dual-pane glass	6	29.5 x 80 x 36 | 750 x 2032 x 915	579 | 263 568 | 258
iB456 HB456	58 | 1642	i.Series Horizon Series	Pass-Thru	115 (60) 230 (50/60)	2, Dual-pane glass	12	59.25 x 80 x 36 | 1505 x 2032 x 915	852 | 387 841 | 382

GX Solutions Professional Medical-grade Plasma Freezers (-35°C*)

i.Series® · Horizon Series™

Upright   -15ºC to -35ºC   Factory set to -35ºC
Undercounter   -15°C to -30°C   Factory set to -30°C

» Powered by OptiCool™ cooling technology with variable capacity compressor (VCC) and natural hydrocarbon refrigerants
» Maximum temperature uniformity and quick recovery
» Sustainable U.S. EPA and SNAP compliant natural refrigerants and foaming agents
» Solid, stainless steel pull out, liquid-tight drawers
» Bacteria-resistant powder coating
» Self-closing doors with magnetic closure
» Auto defrost with programmable defrost cycles
» Heated door frame
» Custom storage: drawers, ventilated drawers, and ventilated shelves
» Compatible with ADA compliant countertops (undercounter)

iBF105-GX   HBF105-GX   iBF120-GX iBF125-GX   HBF120-GX HBF125-GX

GX Solutions Plasma Freezer Selection Guide

Model Number	Capacity cu ft | L	Series	Style	Electrical Frequency V (Hz)	Door(s)	Solid Drawers	Sound dB	Exterior Dimensions W x H x D (in|mm)	Net Weight lb | kg
iBF105-GX HBF105-GX	5.3 | 150	i.Series Horizon Series	Undercounter	115 (60) 220-240 (50/60)	1, Solid	2	46	24 x 31.5 x 26.7 | 610 x 798 x 678	187 | 85
iBF120-GX HBF120-GX	20.2 | 572	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	1, Solid	8 plus Cold-Shield™	52	29 x 80.3 x 28.6 | 737 x 2039 x 726	469 | 213 466 | 212
iBF125-GX HBF125-GX	25.2 | 714	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	1, Solid	8 plus Cold-Shield™	52	29 x 80.3 x 34.6 | 737 x 2039 x 878	524 | 238 521 | 237

*NOTE: -35°C Upright models only

ENERGY STAR

Blood Bank Platelet Storage

Pro Line Countertop Platelet Storage Systems

+20°C to +35°C   Factory set to +22°C

» Features AdvanceCore™ solid-state thermoelectric heating and cooling technology which provides reliable operation for the secure storage of platelets
» The i.C3® Information Center provides constant temperature monitoring and control with password protection and reporting functionality
» AgiTrak™ agitation monitoring system offers live status of speed and cycle information (includes motion alarm)
» 7-day chart recorder
» Bacteria-resistant powder coating
» Auto-Stop/Start ensures continuous agitation of platelets
» Electronic access control offers secure PIN access to the platelet incubator via the i.C3® Information Center (optional)

PC100-Pro   PC900-Pro   PC1200-Pro

Pro Line Platelet Incubators Selection Guide

Model Number	Agitator Compatibility	Electrical Frequency V (Hz)	Energy KWh/day	Sound Level dB	Doors	Exterior Dimensions W x H x D	Net Weight lb | kg
PC100-Pro	1-PF15-Pro	100 - 240V 50/60Hz	1.24	42.2	Dual-pane, hinged	20.8 x 26.4 x 16.9 528 x 670 x 429	116 | 53
PC900-Pro	1-PF48-Pro	100 - 240V 50/60Hz	1.5	49.6	Single-pane retractable	26 x 29.7 x 26 661 x 753 x 661	136 | 62
PC1200-Pro	1-PF96-Pro	100 - 240V 50/60Hz	1.5	49.2	Single-pane retractable	40.3 x 29.7 x 26 1023 x 753 x 766	173 | 79

Pro Line Platelet Agitators Selection Guide

PF15-Pro   PF48-Pro   PF96-Pro

Model Number	Capacity WBD | SDP	Incubator Compatibility	Electrical Frequency V (Hz)	Storage	Energy KWh/day	Sound Level* dB	Exterior Dimensions W x H x D	Net Weight lb | kg
PF15-Pro	15 | 7	PC100-Pro	100-240V 50/60Hz** 24VDC with incubator	1 Shelf 6 Ventilated Drawers	0.27	42.2	15.4 x 13.1 x 8.5 392 x 333 x 216	33 | 15
PF48-Pro	48 | 16	PC900-Pro	100-240V 50/60Hz** 24VDC with incubator	1 Shelf 7 Ventilated Drawers	0.27	49.6	17.2 x 14.5 x 13.8 437 x 368 x 351	50 | 23
PF96-Pro	96 | 32	PC1200-Pro	100-240V 50/60Hz** 24VDC with incubator	1 Shelf 7 Ventilated Drawers	0.27	49.2	32.2 x 14.5 x 13.8 818 x 368 x 351	80 | 37

Note: WBD - whole blood derived (random)   SDP - single donor platelet (apheresis)
*Stated for incubator with compatible agitator running   ** Free standing agitators use external AC/DC power supply

Floor Model Platelet Storage Systems

i.Series® · Horizon Series™

» i.Series models feature the i.Center® Integrated Monitoring System
» 7-day chart recorder
» Bacteria-resistant powder coating
» Auto-Stop/Start ensures continuous agitation of platelets
» i.Series agitator features a built-in motion alarm and can be monitored by the i.Center®
» Non-slip, textured agitator drawers with label holders

F96i   PC2200i   PC3200i   PC4200i

Floor Model Platelet Storage Systems Selection Guide

Model Number	Capacity WBD | SDP	Agitator/Incubator Compatibility	Series	Style	Exterior Dimensions W x H x D	Electrical Frequency V (Hz)	Doors	Net Weight lb | kg
PC2200i PC2200h	192 | 64	2-PF96	i.Series Horizon Series	Floor Model Incubator	40.25 x 60 x 28 | 1023 x 1524 x 712	115 (50/60) 230 (50/60)	Dual-pane glass	363 | 165
PC3200i PC3200h	288 | 96	3-PF96	i.Series Horizon Series	Floor Model Incubator	40.25 x 75.5 x 28 | 1023 x 1918 x 712	115 (50/60) 230 (50/60)	Dual-pane glass	431 | 196
PC4200i PC4200h	396 | 132	Built-in Agitator	i.Series Horizon Series	Floor Model Incubator	40.25 x 75.5 x 28 1023 x 1918 x 712	115 (50/60) 230 (50/60)	Dual-pane glass	663 | 301
PF96i PF96h	96 | 32	PC2200 PC3200	i.Series Horizon Series	Agitator	33 x 15.25 x 14.5 838 x 388 x 369	100 (50/60) 115 (50/60) 230 (50/60)	N/A	82 | 37

Note: Horizon Series Agitators are not equipped with a motion alarm and are not recommended for use in an i.Series Incubator

Horizon Series models not shown

QuickThaw®

Plasma Thawing Systems

» Controlled temperature and agitation substantially reduces thaw times

» Stainless steel chamber and baskets

» Compact size saves bench space

» Dual baskets with independent controls accommodate a variety of bag configurations:

Random and apheresis plasma   Cryoprecipitate
Flat or folded units   Red Blood Cells

DH8

DH4

DH2

Plasma Thawer Selection Guide

Model Number	Thawing Capacity*	Style	Exterior Dimensions W x H x D (in|mm)	Electrical Frequency V(HZ)	Baskets	Net Weight lb | kg
DH2	2 bags	Countertop	11.25 x 16.25 x 14.75 | 286 x 413 x 375	100 (50) 115 (50/60) 230 (50/60)	Stainless Steel	38 | 18
DH4	4 bags	Countertop	18.5 x 16.25 x 14.75 | 470 x 413 x 375	100 (50) 115 (50/60) 230 (50/60)	Stainless Steel	58 | 26
DH8	8 bags	Countertop	18.5 x 16.25 x 22 | 470 x 413 x 559	100 (50) 115 (50/60) 230 (50/60)	Stainless Steel	74 | 34

*Carefully determine usage needs to ensure that the appropriate sized unit is purchased

UltraCW®II

Automatic Cell Washing

» Create in-line programs that streamline workflows
» Achieve optimal results by customizing programs to protocols
» Ensure precise saline fills with electronic flow meter and digital calibration
» Receive alerts for cycle errors and end of program
» Increase productivity and sample capacity with 12-place and 24-place rotors
» Place saline supply above or below unit
» Connect saline directly to cell washer

Model Number	Capacity	Maximum RPM	Cycle Process Time	Style	Electrical Frequency V (Hz)	Exterior Dimensions W x H x D	Net Weight lb | kg
UltraCW® II	12-place | 12 10x75 or 12x75mm tubes 24-place | 24 10x75 or 12x75mm tubes	3,500	60 seconds (Spin time - 35 sec)	Countertop	100-240V 50/60Hz	13 x 11 x 18.9 in | 331 x 280 x 480 mm Height 22.5 in | 572 mm with lid open	53.8 | 24.4

Laboratory and Pharmacy Cold Storage

GX Solutions Professional Medical-grade Laboratory Refrigerators

i.Series® · Horizon Series™

+2ºC to +10ºC Factory set to +4ºC

» Powered by OptiCool™ cooling technology with variable capacity compressor (VCC) and natural hydrocarbon refrigerants
» Maximum temperature uniformity and quick recovery
» Sustainable U.S EPA and SNAP compliant natural refrigerants and foaming agents
» Ventilated shelves
» Bacteria-resistant powder coating
» Self-closing doors with magnetic closure
» Standard glycol bottle or optional solid ballast simulator
» Custom storage: drawers, ventilated drawers and ventilated shelves
» ADA compliant full length handle and compatible with ADA compliant countertops

iLR105-GX HLR105-GX   iLR113-GX HLR113-GX

iLR120-GX   HLR120-GX   iLR245-GX   HLR245-GX
iLR125-GX   HLR125-GX   iLR256-GX   HLR256-GX

GX Solutions Laboratory Refrigerator Selection Guide

Model Number	Capacity cu ft | L	Series	Style	Electrical Frequency V (Hz)	Door(s)	Ventilated Shelves	Sound Level (dB)	Exterior Dimensions W x H x D (in|mm)	Net Weight lb | kg
iLR105-GX HLR105-GX	5.3 | 150	i.Series Horizon Series	Under-counter	115 (60) 220-240 (50/60)	1, Solid	2	42	24 x 31.5 x 26.7 | 610 x798 x 678	174 | 79
iLR113-GX HLR113-GX	13.3 | 377	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	1, Dual-pane glass	4	39	24.1 x 70.5 x 26.1 | 612 x 1790 x 663	306 | 139
iLR120-GX HLR120-GX	20.2 | 572	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	1, Dual-pane glass	4	49	29 x 79.6 x 28.2 | 737 x 2021 x 715 29 x 78.3 x 28.2 | 737 x 1989 x 715	445 | 202 442 | 201
iLR125-GX HLR125-GX	25.2 | 714	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	1, Dual-pane glass	4	49	29 x 79.6 x 34.2 | 737 x 2021 x 867 29 x 78.3 x 34.2 | 737 x 1989 x 867	456 | 207 453 | 206
iLR245-GX HLR245-GX	44.9 | 1271	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	2, Dual-pane glass	8	52	59 x 79.6 x 28.2 | 1499 x 2021 x 715 59 x 78.3 x 28.2 | 1499 x 1989 x 715	667 | 303 667 | 303
iLR256-GX HLR256-GX	56 | 1586	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	2, Dual-pane glass	8	52	59 x 79.6 x 34.2 | 1499 x 2021 x 867 59 x 78.3 x 34.2 | 1499 x 1989 x 867	703 | 319 693 | 315

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GX Solutions Professional Medical-grade Laboratory Freezers (-30°C)

i.Series® · Horizon Series™

Upright   -15ºC to -35ºC   Factory set to -30ºC
Undercounter   -15°C to -30°C Factory set to -30°C

» Powered by OptiCool™ cooling technology with variable capacity compressor (VCC) and natural hydrocarbon refrigerants
» Maximum temperature uniformity and quick recovery
» Sustainable U.S. EPA and SNAP compliant natural refrigerants and foaming agents
» Ventilated shelves
» Bacteria-resistant powder coating
» Self-closing doors with magnetic closure
» Auto defrost with programmable defrost cycles
» Heated door frame
» Custom storage: drawers, ventilated drawers, and ventilated shelves
» Compatible with ADA compliant countertops (undercounter)

iLF105-GX   HLF105-GX   iLF120-GX   HLF120-GX
                             iLF125-GX   HLF125-GX

GX Solutions Laboratory Freezer Selection Guide

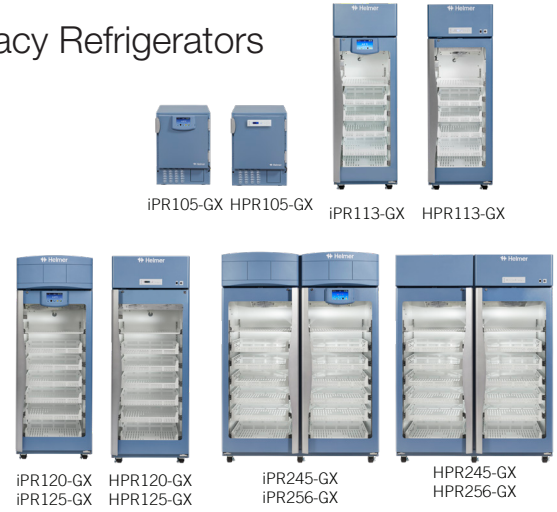| Model Number	Capacity cu ft | L	Series	Style	Electrical Frequency V (Hz)	Door(s)	Ventilated Shelves	Sound dB	Exterior Dimensions W x H x D (in|mm)	Net Weight lb | kg
iLF105-GX HLF105-GX	5.3 | 150	i.Series Horizon Series	Undercounter	115 (60) 220-240 (50/60)	1, Solid	2	46	24 x 31.5 x 26.7 | 610 x 798 x 678	179 | 82
iLF120-GX HLF120-GX	20.2 | 572	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	1, Solid	4	52	29 x 80.3 x 28.6 | 737 x 2039 x 726	400 | 182 397 | 181
iLF125-GX HLF125-GX	25.2 | 714	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	1, Solid	4	52	29 x 80.3 x 34.6 | 737 x 2039 x 878	444 | 202 441 | 201

ENERGY STAR

GX Solutions Professional Medical-grade Pharmacy Refrigerators

i.Series® · Horizon Series™
+2ºC to +10ºC Factory set to +5ºC

» Powered by OptiCool™ cooling technology with variable capacity compressor (VCC) and natural hydrocarbon refrigerants
» Maximum temperature uniformity and quick recovery
» Sustainable U.S. EPA and SNAP compliant natural refrigerants and foaming agents
» Ventilated pull-out pharmacy drawers and shelves
» Bacteria-resistant powder coating
» Directional LED lighting (Standard on Upright)
» Self-closing doors with magnetic closure
» Standard glycol bottle or optional solid ballast simulator
» Custom storage: drawers, ventilated drawers & ventilated shelves
» ADA compliant full-length handle and compatible with ADA compliant countertops

iPR105-GX HPR105-GX   iPR113-GX   HPR113-GX

iPR120-GX HPR120-GX
iPR125-GX HPR125-GX

iPR245-GX
iPR256-GX

HPR245-GX
HPR256-GX

GX Solutions Pharmacy Refrigerator Selection Guide

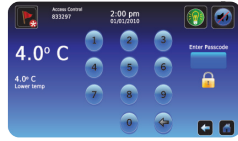| Model Number	Capacity cu ft | L	Series	Style	Electrical Frequency V (Hz)	Door(s)	Ventilated Drawers	Ventilated Shelves	Sound Level (dB)	Exterior Dimensions W x H x D (in|mm)	Net Weight lb | kg
iPR105-GX HPR105-GX	5.3 | 150	i.Series Horizon Series	Undercounter	115 (60) 220-240 (50/60)	1, Solid	2	-	42	24 x 31.5 x 26.7 | 610 x798 x 678	182 | 83
iPR113-GX HPR113-GX	13.3 | 377	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	1, Dual-pane glass	5	1	39	24.1 x 70.5 x 26.1 | 612 x 1790 x 663	338 | 154
iPR120-GX HPR120-GX	20.2 | 572	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	1, Dual-pane glass	6	1	49	29 x 79.6 x 28.2 | 737 x 2021 x 715 29 x 78.3 x 28.2 | 737 x 1989 x 715	438 | 199 487 | 221
iPR125-GX HPR125-GX	25.2 | 714	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	1, Dual-pane glass	6	1	49	29 x 79.6 x 34.2 | 737 x 2021 x 867 29 x 78.3 x 34.2 | 737 x 1989 x 867	517 | 235 514 | 234
iPR245-GX HPR245-GX	44.9 | 1271	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	2, Dual-pane glass	12	2	52	59 x 79.6 x 28.2 | 1499 x 2021 x 715 59 x 78.3 x 28.2 | 1499 x 1989 x 715	775 | 352 774 | 352
iPR256-GX HPR256-GX	56 | 1586	i.Series Horizon Series	Upright	115 (60) 220-240 (50/60)	2, Dual-pane glass	12	2	52	59 x 79.6 x 34.2 | 1499 x 2021 x 867 59 x 78.3 x 34.2 | 1499 x 1989 x 867	827 | 376 817 | 371

ENERGY STAR

Options

Integrated Electronic Access Control

i.Series®

Refrigerators, Freezers, Countertop Platelet Incubators - Optional

Integrated electromagnetic access control offers secure access to the refrigerator, freezer, or platelet incubator via the i.C3® Information Center. An electromagnetic lock is integrated into the unit and controlled by PIN entry.

»   Up to 100 unique User ID's can be set up directly from the i.C3 and programmed with an individual access PIN

»   The Access Control display can be used as an alternative Home Screen

»   The Access Control log provides an audit trail of door entries and can be downloaded

»   Key override is included

Horizon Series™

Refrigerators and Freezers - Optional

The Horizon Access Control keypad provides fail-secure digital keypad access. A lock is integrated into the unit and unlocked by entering a user code on the keypad

»   Up to 100 User Codes can be entered into the keypad

»   Key override included

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