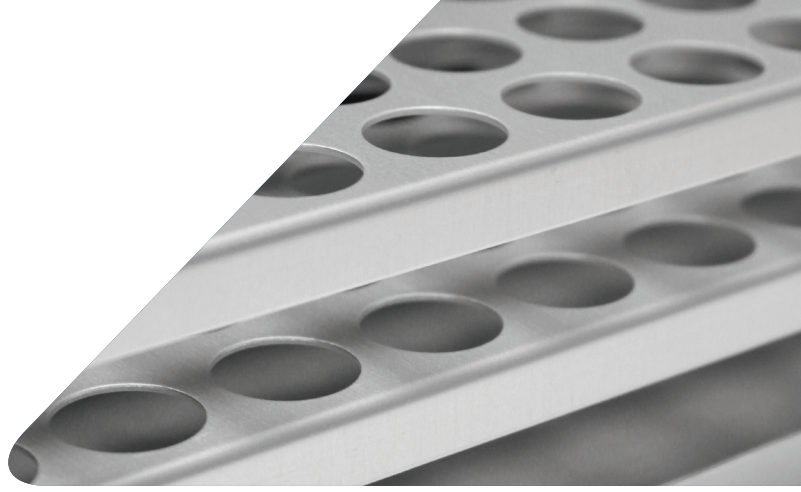


Haier



Haier Biomedical Freezer Racking Guide

On the following pages is a comprehensive range of racking products for Haier Biomedical Upright and Chest freezers and a range of LN2 racks. All cryobox racking will hold boxes 133x133mm. All racks listed are aluminium and stainless steel racks are also available. The range of racks includes racking to store 2,3 or 4inch cryoboxes in front access or side access, SBS footprint boxes, storage bins for loose storage and vertical racks for chest models.

Upright Freezers

DW-86L51J, DW-86L100J, DW-86L338J, DW-86L388J,

DW-86L419, DW-86L490J

DW-86L579, DW-86L578J, DW-86L579BP/BPT and DW-86L578BPST

DW-86L728J, DW-86L729, DW-86L729BP/BPT, DW-86L728BPST

DW-86L828J, DW-86L829, DW-86L829BP/BPT, DW-86L828BPST,

DW-86L959BP/BPT

Chest Freezers

DW-86W100J, DW-86W420J, DW-150W209

Cryogenic Freezers

YDD-1800-610, YDD-1500-610, YDD-1000-610

YDD-800-460, YDD-500-440, YDD-300-326

YDD-850-465, YDD-750-445, CryoBio 16

For ordering information or quotations please contact

sales@haierbiomedical.co.uk

+44 (0) 1932 780 070

Haier DW-86L51J / DW-86L100J

The Haier DW-86L51J freezer can store 3,000 2ml samples in 10x10 cryobox racking. The Haier DW-86L100J freezer can store 60,000 2ml samples in 10x10 cryobox racking.

Below is a range of racking suitable for cryoboxes 133x133mm

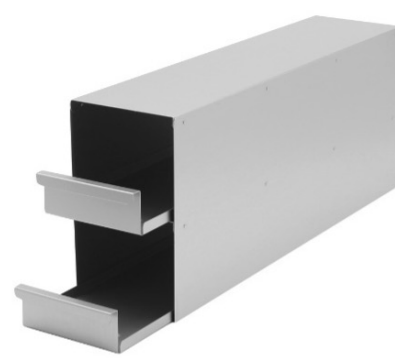
Box Size	Boxes per Rack	Racks per Shelf DW-86L51J / DW-86L100J	Racks per Freezer DW-86L51J / DW-86L100J	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (53mm)	15	2/2	2/4	DCJ-53-B(w)	DCJ-53-A(w)
3" (78mm)	9	2/2	2/4	AH121/3NNMT	SOR171
4" (102mm)	6	2/2	2/4	AH121/2NMT	SOR511



Side Access rack DCJ-53-A(w)



Storage Bin rack BIN829A



Front Access rack AH121/2NMT

Storage bins

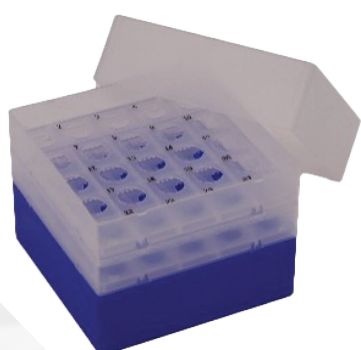
Storage bins are an excellent way to store loose items and keep your freezer organised. These racks are supplied in single or double width with a handle and label hold on one end. Optional lids available.

Storage Bin Size	Racks per Shelf DW-86L51J / DW-86L100J	Racks per Freezer DW-86L51J / DW-86L100J	Part Number
Single width (140mm)	2/2	2/4	BIN829A
Double width (280mm)	2/2	2/4	BIN997

Centrifuge Tube Racking Systems

Centrifuge tubes can be stored in cryoboxes or directly in test tube rack drawers. Both racking options are listed below.

Tube Size	Cryobox Format (Part Number) Test Tube Rack Drawer Format	Racks per Shelf DW-86L51J / DW-86L100J	Racks per Freezer DW-86L51J / DW-86L100J	Tubes per Freezer DW-86L51J / DW-86L100J	Part Number (Front Access Rack)
15ml	5x5 (PA128/25-15)	2/2	2/4	300/600	AH121/2NMT
50ml	3x3 (PA128/9-50)	2/2	2/4	108/216	AH121/2NMT
15ml	5x16	2/2	2/4	320/640	AH121/2DP1780HG
50ml	3x11	2/2	2/4	132/264	AH121/2DP3033HG



Box PA128/25-15



Box PA128/9-50



Rack for storage of 15ml or 50ml tubes in test tube drawers

DW-86L338J

The Haier DW-86L338J freezer can store 21,600 2ml samples in 10x10 cryobox racking. The internal compartments in this model are different heights, please check which shelf you require racking to fit. The top and bottom compartments are larger compared to the middle compartments.

Below is a range of racking suitable for cryoboxes 133x133mm.

Box Size	Boxes per Rack Top and bottom shelf / Middle shelves	Boxes per Rack Top and bottom shelf / Middle shelves	Racks per shelf	Part Number (Front Access Rack) Top and bottom shelf / Middle shelves	Part Number (Side Access Rack) Top and bottom shelf / Middle shelves
2" (53mm)	16/20	3/3	12	DCJ-44-B(w) / DCJ-44-A(w)	DCJ-54-A(w) / DCJ-44-A(w)
3" (78mm)	12/12	3/3	12	AH506/3T / AH039/3NMT	SOR197 / SOR197
4" (102mm)	8/8	3/3	12	AH506/2T / AH039/2NMT	SOR198 / SOR198

Storage bins

Storage bins are an excellent way to store loose items and keep your freezer organised. These racks are supplied in single or double width with a handle and label hold on one end. Optional lids available.

Storage Bin Size	Racks per Shelf Top and bottom shelf / Middle shelves	Racks per Freezer	Part Number Top and bottom shelf / Middle shelves
Single width (140mm)	3/3	12	BIN580/BIN672

DW-86L388J

The Haier DW-86L388J freezer can store 24,000 2ml samples in 10x10 cryobox racking.

Below is a range of racking suitable for cryoboxes 133x133mm

Box Size	Boxes per Rack	Racks per Shelf	Racks per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (53mm)	20	3	12	DCJ-54-B(w)	DCJ-54-A(w)
3" (78mm)	12	3	12	AH039/3NMT	SOR319
4" (102mm)	8	3	12	AH039/2NMT	SOR170

Storage bins

Storage bins are an excellent way to store loose items and keep your freezer organised. These racks are supplied in single or double width with a handle and label hold on one end. Optional lids available.

Storage Bin Size	Racks per Shelf	Racks per Freezer	Part Number
Single width (140mm)	3	12	BIN672



Side Access rack DCJ-54-A(w)



Storage bin BIN672



Front Access rack AH039/3NMT

Racks also available for the storage of SBS footprint boxes, Microtiter plates, Deep well plates and 5ml tubes.

DW-86L419

The Haier DW-86L419 freezer can store 30,000 2ml samples in 10x10 cryobox racking.

Below is a range of racking suitable for cryoboxes 133x133mm

Box Size	Boxes per Rack	Racks per Shelf	Racks per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (53mm)	25	3	12	DCJ-55-B(w)	DCJ-55-A(w)
3" (78mm)	15	3	12	BH115/3NMT	SOR463
4" (102mm)	10	3	12	BH115/2NMT	SOR512

Storage bins

Storage bins are an excellent way to store loose items and keep your freezer organised. These racks are supplied in single or double width with a handle and label hold on one end. Optional lids available.

Storage Bin Size	Racks per Shelf	Racks per Freezer	Part Number
Single width (140mm)	3	12	BIN769

DW-86L490J

The Haier DW-86L490J freezer can store 28,800 2ml samples in 10x10 cryobox racking. The internal compartments in this model are different heights, please check which shelf you require racking to fit. The top two shelves are larger compared to the bottom compartments.

Below is a range of racking suitable for cryoboxes 133x133mm

Box Size	Boxes per Rack Top shelves / Bottom shelves	Boxes per Rack Top shelves / Bottom shelves	Racks per Shelf	Part Number (Front Access Rack) Top shelves / Bottom shelves	Part Number (Side Access Rack) Top shelves / Bottom shelves
2" (53mm)	20/16	4/4	16	DCJ-54-A(w) / DCJ-44-A(w)	DCJ-54-A(w) / DCJ-44-A(w)
3" (78mm)	12/12	4/4	16	AH506/3T / AH506/3T	SOR197 / SOR197
4" (102mm)	8/8	4/4	16	AH506/2T / AH506/2T	SOR198 / SOR198

Storage bins

Storage bins are an excellent way to store loose items and keep your freezer organised. These racks are supplied in single or double width with a handle and label hold on one end. Optional lids available.

Storage Bin Size	Racks per Shelf Top shelves / Bottom shelves	Racks per Freezer	Part Number Top shelves / Bottom shelves
Single width (140mm)	3/3	12	BIN672/BIN580



Rack to store Microtiter plates



Special rack for storage of different height boxes



Front Access rack AH506/3T

The Haier 578/579 freezer range is capable of storing 40,000 2ml samples in 10x10 cryobox racking. Internal freezer dimensions 620w x 716d (mm).

Below is a range of racking suitable for cryoboxes 133x133mm

Box Size	Boxes per Rack	Racks per Shelf	Racks per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (53mm)	25	4	16	DCJ-55-B(w)	DCJ-55-A(w)
3" (78mm)	15	4	16	BH115/3NMT	SOR463
4" (102mm)	10	4	16	BH115/2NMT	SOR512

Divided tray racks

Divided tray racks can increase the storage capacity of the freezer from 40,000 samples to 44,800. The trays listed below are 34h x 136w x 708d and are fitted with dividers 28mm tall. Other trays and divided formats are available.

Cell Size	Divider Format	Samples per Tray	Samples per Rack	Samples per Freezer	Part Number
12mm	10 x 56	560	2,800	44,800	BH362/5NMT12
14mm	9 x 48	432	2,160	34,560	BH362/5NMT14
16mm	8 x 42	336	1,680	26,880	BH362/5NMT16
18mm	7 x 38	266	1,330	21,280	BH362/5NMT18

Centrifuge Tube Racking Systems

Centrifuge tubes can be stored in cryoboxes or directly in test tube rack drawers. Both racking options are listed below.

Tube Size	Cryobox Format (Part Number) Test Tube Rack Drawer Format	Racks per Shelf	Racks per Freezer	Tubes per freezer	Part Number (Front Access Rack)
15ml	5x5 (PA128/25-15)	4	16	4000	BH115/2NMT
50ml	3x3 (PA128/9-50)	4	16	1440	BH115/2NMT
15ml	5x29	4	16	4640	BH115/2DP17145HG
50ml	3x18	4	16	1728	BH115/2DP3054HG

Storage bins and drawer systems

Storage bins or drawer racks are an excellent way to store loose items and keep your freezer organised. These racks are supplied in a standard single width or double width, bespoke storage bins and drawer systems are available.

Storage bins

Storage Bin Size	Racks per Shelf	Racks per Freezer	Part Number
Single width (140mm)	4	16	BIN769
Double width (280mm)	2	8	BIN827

Drawer systems

Drawer System Size	Drawers per Rack	Racks per Shelf	Racks per Freezer	Part Number
Single width (140mm)	2	4	16	BH268/2DR
Double width (280mm)	2	2	8	BH267/2DR

Racking for plates

Below is a range of racking to store microtiter plates or deepwell plates. These racks are designed to hold plates 86 x 128mm. All racks have drawers / trays with a handgrip

Plate Height	Plates per rack	Racks per Shelf	Racks per Freezer	Part Number
16mm	104	4	16	BH362/13NMT
28mm	64	4	16	BH362/8NMT
34mm	56	4	16	BH362/7NMT
53mm	40	4	16	BH362/5NMT

Haier 728/729 Freezer range

The Haier 728/729 freezer range can store 50,000 2 ml samples in 10x10 cryobox racking. Internal freezer dimensions 766w x 716d (mm). Below is a range of racking suitable for cryoboxes 133x133mm

Box Size	Boxes per Rack	Racks per Shelf	Racks per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (53mm)	25	5	20	DCJ-55-B(w)	DCJ-55-A(w)
3" (78mm)	15	5	20	BH115/3NMT	SOR463
4" (102mm)	10	5	20	BH115/2NMT	SOR512

Divided tray racks

Divided tray racks can increase the storage capacity of the freezer from 50,000 samples to 56,000. The tray sizes listed are 34h x 136w x 708d and fitted with dividers 28mm tall. Outer trays and dividers formats are available.

Cell Size	Divider Format (Capacity per tray)	Racks per Shelf	Racks per Freezer	Samples per Freezer	Part Number
12mm	10 x 56 (560)	5	20	56,000	BH362/5NMT12
14mm	9 x 48 (432)	5	20	43,200	BH362/5NMT14
16mm	8 x 42 (336)	5	20	33,600	BH362/5NMT16
18mm	7 x 38 (266)	5	20	26,600	BH362/5NMT18

Centrifuge Tube Racking Systems

Centrifuge tubes can be stored in cryoboxes or directly in test tube rack drawers. Both racking options are listed below.

Tube Size	Cryobox Format (Part Number) / Test Tube Rack Drawer Format	Racks per Shelf	Racks per Freezer	Tubes per freezer	Part Number (Front Access Rack)
15ml	5x5 (PA128/25-15)	5	20	5,000	BH115/2NMT
50ml	3x3 (PA128/9-50)	5	20	1,800	BH115/2NMT
15ml	5x29	5	20	5,800	BH115/2DP17145HG
50ml	3x18	5	20	2,160	BH115/2DP3054HG

Storage bins and drawer systems

Storage bins or drawer system racks are an excellent way to store loose items and keep your freezer organised. These racks are supplied in a standard single width or double width, bespoke storage bins and drawer system are available. All items have a handle and label holder on one end. Optional lids available. Single width drawer systems are not suitable for storage of cryoboxes.

Storage bins

Storage Bin Size	Racks per Shelf	Racks per Freezer	Part Number
Single width (140mm)	5	20	BIN769

Drawer systems

Drawer System Size	Drawers per Rack	Racks per Shelf	Racks per Freezer	Part Number
Single width (140mm)	2	5	20	BH115/2DR
Double width (280mm)	2	3	12	BH508/2DR

Racking for plates

Below is a range of racking to store microtiter plates or deepwell plates. These racks are designed to hold plates 86 x 128mm. All racks have drawers / trays with a handgrip

Plate Height	Plates per rack	Racks per Shelf	Racks per Freezer	Part Number
16mm	104	5	20	BH362/13NMT
28mm	64	5	20	BH362/8NMT
34mm	56	5	20	BH362/7NMT
53mm	40	5	20	BH362/5NMT

The Haier 828/829 freezer range can store 60,000 2 ml samples in 10x10 cryobox racking. Internal freezer dimensions 870w x 716d (mm). The Haier DW-86L959BP/BPT freezer range can store 70,000 2 ml samples in 10x10 cryobox racking. Internal freezer dimensions 1016w x 716d (mm). Below is a range of racking suitable for cryoboxes 133x133mm

Box Size	Boxes per Rack	Racks per Shelf 828, 829 / 959	Racks per Freezer 828, 829 / 959	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (53mm)	25	6/7	24/28	DCJ-55-B(w)	DCJ-55-A(w)
3" (78mm)	15	6/7	24/28	BH115/3NMT	SOR463
4" (102mm)	10	6/7	24/28	BH115/2NMT	SOR512

Divided tray racks

Divided tray racks can increase the storage capacity of the freezer from 50,000 samples to 56,000. The tray sizes listed are 34h x 136w x 708d and fitted with dividers 28mm tall. Outer trays and dividers formats are available.

Cell Size	Divider Format (Capacity per tray)	Racks per Shelf 828, 829 / 959	Racks per Freezer 828, 829 / 959	Samples per Freezer 828, 829 / 959	Part Number
12mm	10 x 56 (560)	6/7	24/28	67,200 / 78,400	BH362/5NMT12
14mm	9 x 48 (432)	6/7	24/28	51,840 / 60,480	BH362/5NMT14
16mm	8 x 42 (336)	6/7	24/28	40,320 / 47,040	BH362/5NMT16
18mm	7 x 38 (266)	6/7	24/28	31,920 / 37,240	BH362/5NMT18

Centrifuge Tube Racking Systems

Centrifuge tubes can be stored in cryoboxes or directly in test tube rack drawers. Both racking options are listed below.

Tube Size	Cryobox Format (Part Number) Test Tube Rack Drawer Format	Racks per Shelf 828, 829 / 959	Racks per Freezer 828, 829 / 959	Tubes per freezer 828, 829 / 959	Part Number (Front Access Rack)
15ml	5x5 (PA128/25-15)	6/7	24/28	6,000 / 7,000	BH115/2NMT
50ml	3x3 (PA128/9-50)	6/7	24/28	2,160 / 2,520	BH115/2NMT
15ml	5x29	6/7	24/28	6,960 / 8,120	BH115/2DP17145HG
50ml	3x18	6/7	24/28	2,592 / 3,024	BH115/2DP3054HG

Storage bins and drawer systems

Storage bins or drawer system racks are an excellent way to store loose items and keep your freezer organised. These racks are supplied in a standard single width or double width, bespoke storage bins and drawer system are available. All items have a handle and label holder on one end. Optional lids available. Single width drawer systems are not suitable for storage of cryoboxes.

Storage bins

Storage Bin Size	Racks per Shelf 828, 829 / 959	Racks per Freezer 828, 829 / 959	Part Number
Single width (140mm)	6/7	24/28	BIN769

Drawer systems

Drawer System Size	Drawers per Rack	Racks per Shelf 828, 829 / 959	Racks per Freezer 828, 829 / 959	Part Number
Single width (140mm)	2	6/7	24/28	BH115/2DR
Double width (280mm)	2	3	12	BH267/2DR

Racking for plates

Below is a range of racking to store microtiter plates or deepwell plates. These racks are designed to hold plates 86 x 128mm. All racks have drawers / trays with a handgrip

Plate Height	Plates per rack	Racks per Shelf 828, 829 / 959	Racks per Freezer 828, 829 / 959	Part Number
16mm	104	6/7	24/28	BH362/13NMT
28mm	64	6/7	24/28	BH362/8NMT
34mm	56	6/7	24/28	BH362/7NMT
53mm	40	6/7	24/28	BH362/5NMT

Chest Freezers

DW-86W100J

The Haier DW-86W100J freezer range can store 7,200 2 ml samples in 10x10 cryobox racking. All racks have a locking bar to hold boxes in place and an option for a coloured label on the top face of the rack.

Below is a range of racking suitable for cryoboxes 133x133mm

Box Size	Boxes per Rack	Racks per Freezer	Part Number
2" (53mm)	8	9	DCJ-8-A(w)
3" (78mm)	5	9	CS90/5
4" (102mm)	4	9	CS91/4

DW-86W420J

The Haier DW-80W420J freezer range can store 27,000 2 ml samples in 10x10 cryobox racking. All racks have a locking bar to hold boxes in place and an option for a coloured label on the top face of the rack.

Below is a range of racking suitable for cryoboxes 133x133mm

Box Size	Boxes per Rack	Racks per Freezer	Part Number
2" (53mm)	10	27	DCJ-10-A(w)
3" (78mm)	7	27	CS93/7
4" (102mm)	5	27	CS93/5

DW-150W209

The Haier DW-150W209 freezer range can store 14,400 2 ml samples in 10x10 cryobox racking. All racks have a locking bar to hold boxes in place and an option for a coloured label on the top face of the rack.

Below is a range of racking suitable for cryoboxes 133x133mm

Box Size	Boxes per Rack	Racks per Freezer	Part Number
2" (53mm)	12	12	DCJ-12-A(w)
3" (78mm)	8	12	VC065/8
4" (102mm)	6	12	VC065/6



Below is a range of racking suitable for cryoboxes 53h x 133x133mm and optional racks for boxes 53h x 76 x 76mm. All racks have a locking bar to hold boxes in place and an option for a coloured label on the top face of the rack. Optional spring clip racks also available.

Model	Standard Racks (53h x 133 x 133mm)	Optional Racks (53h x 76 x 76mm)	Levels per Rack	Total Storage Capacity (10x10/5x5 boxes)
YDD-1800-610	60	13	15	94,875
YDD-1500-610	54	18	13	76,050
YDD-1000-610	54	18	10	58,500
YDD-800-460	32	4	13	42,900
YDD-500-440	24	8	10	26,000
YDD-300-326	12	4	10	13,000
YDD-850-465	32	4	13	42,900
YDD-750-445	24	12	14	37,800
CryoBio 16	12	4	12	15,600
YDD-550-445	24	12	14	37,800
YDD-1000-465	30	16	15	51,000
YDD-1800-635	60	13	15	94,875
YDD-1300-635	54	18	10	58,500
YDD-1600-635	54	18	13	76,050

All racks have locking bar to hold the boxes in place, option for a coloured I.D label on the top face.

Cassette storage

Cassette frame racks are an excellent way to store high quantities of blood bags. All racks feature a handle on the top and an option for a label. Racks and cassettes are offered for standard bag size, 50ml, 250ml, 500ml, 750ml and 1000ml. Cassettes and frame racks are supplied in lightweight anodised aluminium.

Blood bag box systems

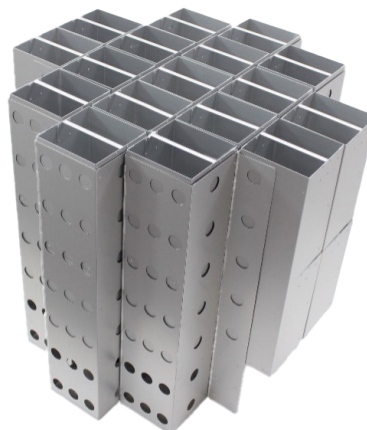
Box systems are supplied with frames to store blood bags. These boxes have an option for a label on the top face. Each box can hold 8 – 10 bags.

Canisters (Goblets/ cane storage)

Goblets can be stored in canisters with stainless steel lifters. Two types of lifter are available, sectioned lifters and basic lifters, sectioned lifters have the option for a label on the top.



Cassette frame



Blood bag box system



Canister storage

Cardboard cryoboxes

Haier Biomedical also offer a range of freezer accessories included cardboard, polypropylene and polycarbonate freezer storage boxes. All boxes have a footprint of 133x133mm and are compatible with the freezer racking listed in this catalogue

Cardboard cryoboxes including dividers

Part Number	Height (mm)	Width (mm)	Depth (mm)	Divider Format
A1/81	50	133	133	9 x 9
A1/100	50	133	133	10 x 10

Cardboard cryoboxes without dividers

Part Number	Height (mm)	Width (mm)	Depth (mm)
A25	25	133	133
A32	32	133	133
A1	50	133	133
A2	75	133	133
A3	100	133	133

Part numbers listed are for white boxes, other colours available including, red, blue, green and yellow. Dividers are also available ranging from 3x3 to 16x16.

Plastic cryoboxes

These polypropylene boxes are suitable for temperatures between -86 degrees - +160. All boxes have a printed grid on the base of the box and around the edge.

Empty polypropylene boxes (with lid)

Part Number	Height (mm)	Width (mm)	Depth (mm)
PA 1	50	133	133
PA 2	73	133	133
PA 3	93	133	133

Empty polypropylene boxes with fixed dividers (with lid)

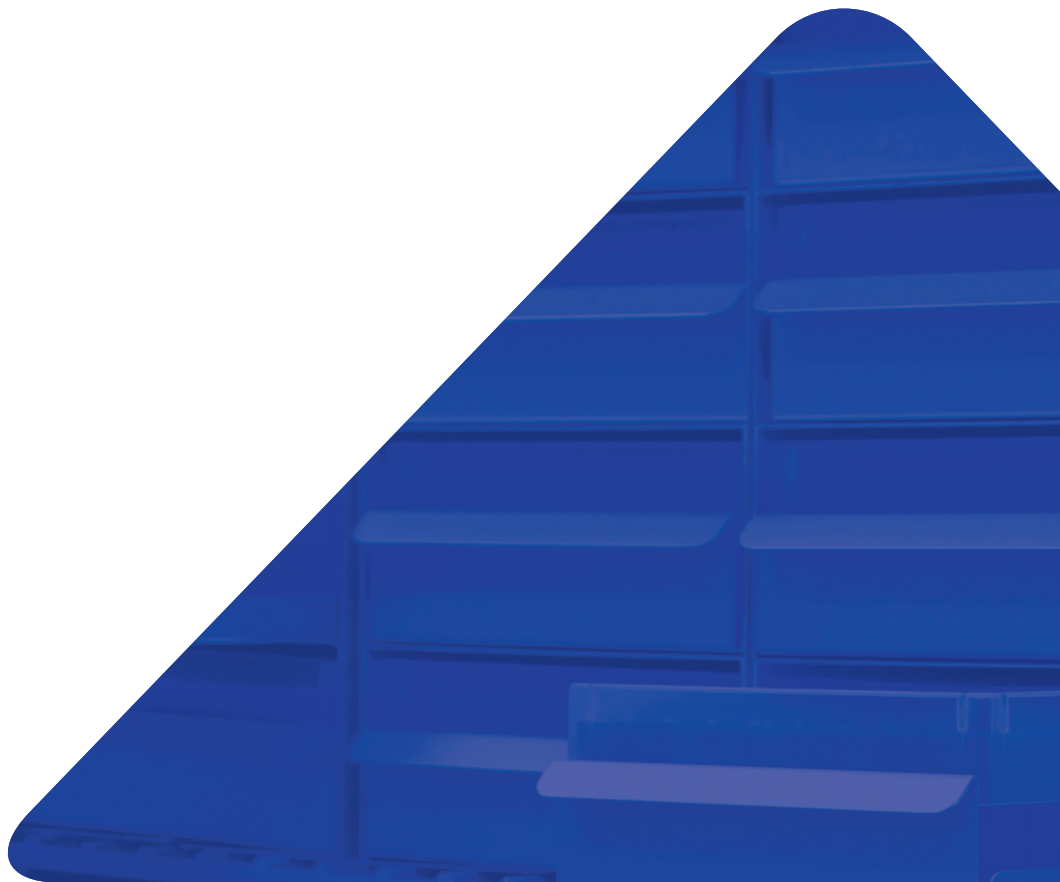
Part Number	Height (mm)	Width (mm)	Depth (mm)	Tube Size (mm)	Capacity
PA 1/81	50	133	133	12.5	9x9
PA 2/81	73	133	133	12.5	9x9
PA 3/81	93	133	133	12.5	9x9

Polycarbonate cryoboxes

Polycarbonate boxes with fixed dividers (with lid)

All boxes have a printed grid on the lid, vial picker included

Part Number	Internal Height (mm)	External Width (mm)	External Depth (mm)	Tube Size (mm)	Capacity
PCA 50/81BL	52	133	133	13	9x9
PCA 50/100BL	52	133	133	12	10x10
PCA 95/81BL	95	133	133	13	9x9
PCA 50/25BL	52	76	76	13	5x5



Haier

Middle Building, 110 Windmill Road
Sunbury on Thames, Middlesex TW16 7HD
Email: sales@haierbiomedical.co.uk
Tel: +44 (0) 01932 780 070 (Head Office)