

Freezer Inventory Systems



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DIVISIONSIZEGUIDE

The division size guide is a handy tool to quickly and easily check the diameter of any test tube or glass bottle. The hole sizes range from 10mm up to 30mm.

DIVIDED TRAYS

When ordering divided trays using this guide remember the size of the cap or lid must past through the hole. The size of hole that the tube passes through is the size of cell that is required when ordering. See pages 12 - 13 for details, divided trays and ordering information.

TEST TUBE RACKS

When ordering test tube racks please state the cap size and bottle size and we will design a rack to meet your requirements. See pages 18 - 19 for details on selecting the correct test tube rack and ordering information.

UPRIGHT FREEZER RACKS

FRONT ACCESS

Horizontal cold stores (HCS) are placed on the shelves of upright freezers and hold trays or storage bins. Horizontal outers have access from the front, also known as front access racks. The benefits of a front access rack means the user only has to remove one tray to gain access to the item required, while side access racks mean the user has to remove the whole unit from the freezer. Horizontal cold stores are manufactured from aluminium or stainless steel. They can be made in any size to suit the requirements of the end user. Most horizontals are designed to accommodate trays which hold cryoboxes or microtiter plates. Divided trays can also be stored in a horizontal which can maximize the usage from the freezer.



Stainless steel horizontal with trays **AH506/4TSS**



Horizontal units are available in a range of different designs. Most horizontal outers hold between 3 and 7 trays, however the size of a unit can be designed to fit any freezer. The size of the aperture depends on the size of the item wished to be stored. Wesbart are able to design a rack which has different size apertures, or with removable shelves thereby allowing for different size items to be stored in the same unit.

Dimensions (mm)	Box Size / Boxes Per Rack	Part Number
295h x 145w x 290d	4" (100mm) / 4	AH274/2T
295h x 145w x 290d	3" (75mm) / 6	AH274/3T
295h x 145w x 290d	2" (50mm) / 10	AH274/5T
420h x 140w x 560d	4" (100mm) / 12	AH179/3UT
420h x 140w x 560d	3" (75mm) / 20	AH179/5UT
420h x 140w x 560d	2" (50mm) / 28	AH179/7UT
235h x 141w x 560d	2" (50mm) / 16	AH506/4T
235h x 141w x 560d	3" (75mm) / 12	AH506/3T
290h x 140w x 560d	2" (50mm) / 20	AH039/5NMT
340h x 140w x 560d	2" (50mm) / 24	AH073/6NMT
230h x 140w x 560d	2" (50mm) / 16	AH940/4NMT

Also available in stainless steel.

HINGED CRYOBOX RACKS

Aluminium or stainless steel front access racks supplied with trays specially designed to hold 100 cell hinged cryoboxes, these racks are suitable for upright freezers. All racking is suitable for cryoboxes 63h x 141 x 151

Boxes Per Rack	Rack Dimensions (mm)	Part Number
4	175h x 150w x 420d	BH300/2NMT
6	175h x 150w x 560d	BH301/2NMT
9	235h x 150w x 560d	BH302/3NMT
12	287h x 150w x 560d	BH303/4NMT
16	287h x 150w x 645d	BH304/4NMT
18	415h x 150w x 645d	BH305/6NMT
12	235h x 150w x 645d	BH306/3NMT

Part numbers listed are aluminium, to order stainless steel racks add 'SS' to the end of the part number. (Aluminium rack: **BH300/2NMT**, stainless steel rack: **BH300/2NMTSS**)



Aluminium front access rack **BH304/4NMT**



Bespoke lockable front access rack **HCS4584/140LOCK**

COMPATIBLE CRYOBOXES

Wesbart also offers a large range of cryoboxes suitable for these racks. For cardboard boxes please turn to page 32. For plastic boxes please turn to page 34. For hinged boxes please turn to page 36.



UPRIGHT FREEZER RACKS

SIDE ACCESS

Side Opening Horizontal units also known as side access racks, fit onto shelves of upright freezers to hold cryoboxes or microtiter plates. Side access racks feature a handle on one end to remove it from the freezer, these racks are best suited for longer term storage. Side access racks are manufactured from aluminium or stainless steel. Side access racks can be any size to meet the requirements of the user. They can also feature a locking rod to hold items in place, and have a handle fitted to the top to make the unit easier to transport.

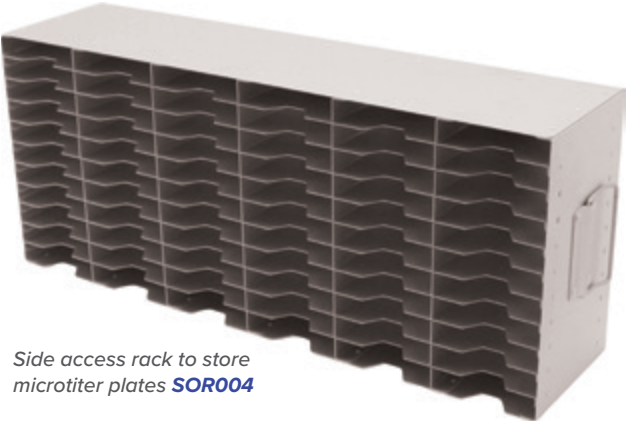
Aluminium racks to hold boxes 133w x 133d (mm)

Dimensions (mm)	Box Size / Boxes Per Rack	Part Number
295h x 145w x 290d	4" (100mm) / 4	SOR455
295h x 145w x 290d	3" (75mm) / 6	SOR453
295h x 145w x 290d	2" (50mm) / 10	SOR110
420h x 140w x 560d	4" (100mm) / 12	SOR304
420h x 140w x 560d	3" (75mm) / 20	SOR368
420h x 140w x 560d	2" (50mm) / 28	SOR090
235h x 141w x 560d	2" (50mm) / 16	SOR196
235h x 141w x 560d	3" (75mm) / 12	SOR197
290h x 140w x 560d	2" (50mm) / 20	SOR032
340h x 140w x 560d	2" (50mm) / 24	SOR033
230h x 140w x 560d	2" (50mm) / 16	SOR196
287h x 140w x 685d	2" (50mm) / 25	SOR462

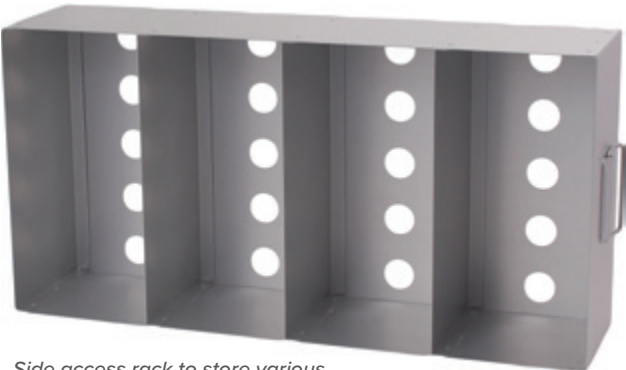
Also available in stainless steel.



Side access rack to store 2" box **SOR196**



Side access rack to store microtiter plates **SOR004**



Side access rack to store various height boxes **SOR002B**

HINGED CRYOBOX RACKS

Aluminium or stainless steel side access racks specially designed to hold 100 cell hinged cryoboxes, these racks are suitable for upright freezers. All racking is suitable for cryoboxes 63h x 141 x 151

Boxes Per Rack	Rack Dimensions	Part Number
4	175h x 150w x 420d	SOR535
6	175h x 150w x 560d	SOR536
9	235h x 150w x 560d	SOR537
12	287h x 150w x 560d	SOR538
16	287h x 150w x 645d	SOR539
18	415h x 150w x 645d	SOR540
12	235h x 150w x 645d	SOR541
28	420h x 160w x 590d	SOR285

Part numbers listed are aluminium, to order stainless steel racks add 'SS' to the end of the part number. (Aluminium rack: **SOR535**, stainless steel rack: **SOR535SS**)



Side access rack to store hinged cryoboxes **SOR285**



Bespoke lockable side access rack **HCSO220LOCK**

COMPATIBLE CRYOBOXES

We also offer a large range of cryoboxes suitable for these racks. For cardboard boxes please turn to page 32. For plastic boxes please turn to page 34. For hinged boxes please turn to page 36.



TRAYS

All trays are made in aluminium or stainless steel and can be designed in any size or shape. There are many options of trays available, each tray is designed to store different items. The basic trays we offer are to accommodate 133 x 133 cryo boxes, tray lengths are designed to take 2 - 6 boxes per tray.

Trays can be designed in any size and designed to suit the needs of the user.



The most basic tray we offer is a flat tray with 13mm sides and dimples on the base to stop the tray sticking. This tray is ideal for longer term storage. The most popular tray we offer has a hand grip on the end to allow easier access to the tray contents. Trays can be fitted with plastic engraved labels or label holders to easily identify them, screen printing is also available if required.

Other trays we offer can have high sides, ideal for stacking items on top of each other without them falling when the tray is removed. High sided trays can be fitted with lids which can be lockable, if required. Inserts can be placed into a high sided tray to store bottles or vials.

To make it easier for the user to remove items from the tray there is an option to have holes in the base to push items through or have a bridge to hold items in place and stop them sliding backwards and forwards when the tray is not full, this works very well when storing microtiter plates.

Welded and leak-proof trays are available in any size required.

We also offer a range of finishes for trays, colours available include black, red, gold, blue and purple



Basic 13mm Tray



Front Hand grip Tray 50mm Sides



Front Label Tray



Front Hand grip Tray

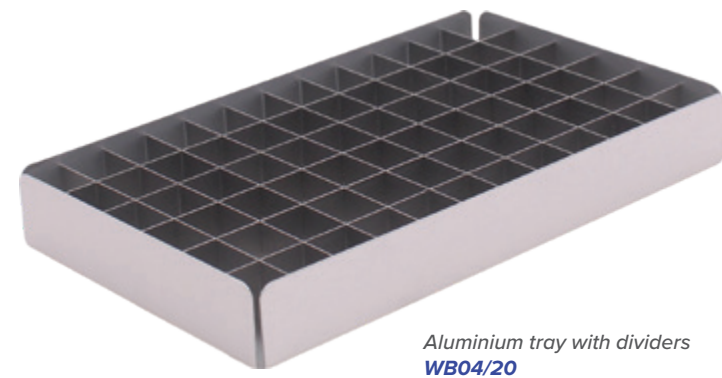
DIVIDED TRAYS

Divided trays are designed to be placed within a horizontal/ vertical cold store or be free standing. The body of the tray is available in anodised aluminium or stainless steel, dividers are made from 0.5mm aluminium and are not anodised.

The standard size cells we offer are; 10, 12, 13, 14, 16, 18, 20, 24, 30mm and other sizes are available on request. Use the division guide on the inside cover to check the size of the test tube you wish to store. As the cells have no spacing in between remember to accommodate for the cap or lid size too.

Aluminium trays are available in a range of colours including; black, red, gold, blue and purple. Should you require a coloured tray please contact our sales team for a quotation.

We can design a bespoke storage tray if your sample is an unusual size or shape, divided trays can have different height divisions to accommodate this. Trays can be any height and have a lid if required. Screen printing on the side of the tray is an effective way of labelling the cells.



Aluminium tray with dividers
WB04/20



Safety edge tray with divisions
WB12/30

The standard range of divided storage trays are available in the table below. These trays are supplied in anodised aluminium, should you require a stainless steel tray add 'SS' to end of the part number. All trays are 34mm high.

3 SIMPLE STEPS

TO CHOOSING A WESBART STORAGE TRAY

1. Select the required overall width and length of the tray in column **A** and the appropriate tray part number in column **B**

2. Select the required cell size in column **C**. Remember that the tube or vial cap may be larger than the body.

3. Column **C** gives the storage capacities of individual trays together with their layouts.

From this it is possible to calculate the storage capability of a specified number of trays, or the number of trays required to store a quantity of tubes.

To order a storage tray first give the tray code number followed by the division size

For example a tray 154mm x 154mm with 14mm divisions = **WB08/14**

Overall Size	Part Number	C									
		10mm	12mm	13mm	14mm	16mm	18mm	20mm	24mm	30mm	
128 x 128	WB01	12 x 12 (144)	10 x 10 (100)	9 x 9 (81)	8 x 8 (64)	7 x 7 (49)	6 x 6 (36)	6 x 6 (36)	5 x 5 (25)	4 x 4 (16)	
128 x 154	WB02	12 x 14 (168)	10 x 12 (120)	9 x 11 (99)	8 x 10 (80)	7 x 9 (63)	6 x 8 (48)	6 x 7 (42)	5 x 6 (30)	4 x 5 (20)	
128 x 205	WB03	12 x 19 (228)	10 x 15 (150)	9 x 15 (135)	8 x 14 (112)	7 x 11 (77)	6 x 10 (60)	6 x 9 (54)	5 x 8 (40)	4 x 6 (24)	
128 x 256	WB04	12 x 24 (288)	10 x 20 (200)	9 x 19 (171)	8 x 17 (136)	7 x 15 (105)	6 x 13 (78)	6 x 12 (72)	5 x 10 (50)	4 x 8 (32)	
128 x 307	WB05	12 x 29 (348)	10 x 23 (230)	9 x 23 (207)	8 x 20 (160)	7 x 18 (126)	6 x 16 (96)	6 x 14 (84)	5 x 12 (60)	4 x 10 (40)	
128 x 384	WB06	12 x 36 (432)	10 x 30 (300)	9 x 29 (261)	8 x 25 (200)	7 x 22 (154)	6 x 20 (120)	6 x 18 (108)	5 x 15 (75)	4 x 12 (48)	
128 x 460	WB07	12 x 43 (516)	10 x 36 (360)	9 x 34 (306)	8 x 30 (240)	7 x 26 (182)	6 x 24 (144)	6 x 22 (132)	5 x 18 (90)	4 x 15 (60)	
154 x 154	WB08	14 x 14 (196)	12 x 12 (144)	11 x 11 (121)	10 x 10 (100)	9 x 9 (81)	8 x 8 (64)	7 x 7 (49)	6 x 6 (36)	5 x 5 (25)	
154 x 205	WB09	14 x 19 (266)	12 x 15 (180)	11 x 15 (165)	10 x 14 (140)	9 x 11 (99)	8 x 10 (80)	7 x 9 (63)	6 x 8 (48)	5 x 6 (30)	
154 x 256	WB10	14 x 24 (336)	12 x 20 (240)	11 x 18 (198)	10 x 17 (170)	9 x 15 (135)	8 x 13 (104)	7 x 12 (84)	6 x 10 (60)	5 x 8 (40)	
154 x 307	WB11	14 x 29 (406)	12 x 23 (276)	11 x 22 (242)	10 x 20 (200)	9 x 18 (162)	8 x 16 (128)	7 x 14 (98)	6 x 12 (72)	5 x 10 (50)	
154 x 384	WB12	14 x 36 (504)	12 x 30 (360)	11 x 29 (319)	10 x 25 (250)	9 x 22 (198)	8 x 20 (160)	7 x 18 (126)	6 x 15 (90)	5 x 12 (60)	
154 x 460	WB13	14 x 43 (602)	12 x 36 (432)	11 x 34 (374)	10 x 30 (300)	9 x 26 (234)	8 x 24 (192)	7 x 22 (154)	6 x 18 (108)	5 x 15 (75)	
205 x 205	WB14	19 x 19 (361)	15 x 15 (225)	15 x 15 (225)	14 x 14 (196)	11 x 11 (121)	10 x 10 (100)	9 x 9 (81)	8 x 8 (64)	6 x 6 (36)	
205 x 256	WB15	19 x 24 (456)	15 x 20 (300)	15 x 18 (270)	14 x 17 (238)	11 x 15 (165)	10 x 13 (130)	9 x 12 (108)	8 x 10 (80)	6 x 8 (48)	
205 x 307	WB16	19 x 29 (551)	15 x 23 (345)	15 x 22 (330)	14 x 20 (280)	11 x 18 (198)	10 x 16 (160)	9 x 14 (126)	8 x 12 (96)	6 x 10 (60)	
205 x 384	WB17	19 x 36 (684)	15 x 30 (450)	15 x 29 (435)	14 x 25 (350)	11 x 22 (242)	10 x 20 (200)	9 x 18 (162)	8 x 15 (120)	6 x 12 (72)	
205 x 460	WB18	19 x 43 (817)	15 x 36 (540)	15 x 34 (510)	14 x 30 (420)	11 x 26 (286)	10 x 24 (240)	9 x 22 (198)	8 x 18 (144)	6 x 15 (90)	
256 x 256	WB19	24 x 24 (576)	20 x 20 (400)	18 x 18 (324)	17 x 17 (289)	15 x 15 (225)	13 x 13 (169)	12 x 12 (144)	10 x 10 (100)	8 x 8 (64)	
256 x 307	WB20	24 x 29 (696)	20 x 23 (460)	18 x 22 (396)	17 x 20 (340)	15 x 18 (270)	13 x 16 (208)	12 x 14 (168)	10 x 12 (120)	8 x 10 (80)	
256 x 384	WB21	24 x 36 (864)	20 x 30 (600)	18 x 29 (522)	17 x 25 (425)	15 x 22 (330)	13 x 20 (260)	12 x 18 (216)	10 x 15 (150)	8 x 12 (96)	
256 x 460	WB22	24 x 43 (1032)	20 x 36 (720)	18 x 34 (612)	17 x 30 (510)	15 x 26 (390)	13 x 24 (312)	12 x 22 (264)	10 x 18 (180)	8 x 15 (120)	
307 x 307	WB23	29 x 29 (841)	23 x 23 (529)	22 x 22 (484)	20 x 20 (400)	18 x 18 (324)	16 x 16 (256)	14 x 14 (196)	12 x 12 (144)	10 x 10 (100)	
307 x 384	WB24	29 x 36 (1044)	23 x 30 (690)	22 x 29 (638)	20 x 25 (500)	18 x 22 (396)	16 x 20 (320)	14 x 18 (252)	12 x 15 (180)	10 x 12 (120)	
307 x 460	WB25	29 x 43 (1247)	23 x 36 (828)	22 x 34 (748)	20 x 30 (600)	18 x 26 (468)	16 x 24 (384)	14 x 22 (308)	12 x 18 (216)	10 x 15 (150)	
384 x 384	WB26	36 x 36 (1296)	30 x 30 (900)	29 x 29 (841)	25 x 25 (625)	22 x 22 (484)	20 x 20 (400)	18 x 18 (324)	15 x 15 (225)	12 x 12 (144)	
384 x 460	WB27	36 x 43 (1548)	30 x 36 (1080)	29 x 34 (986)	25 x 30 (750)	22 x 26 (572)	20 x 24 (480)	18 x 22 (396)	15 x 18 (270)	12 x 15 (180)	
460 x 460	WB28	43 x 43 (1849)	36 x 36 (1296)	34 x 34 (1156)	30 x 30 (900)	26 x 26 (676)	24 x 24 (576)	22 x 22 (484)	18 x 18 (324)	15 x 15 (225)	
133 x 133	WB92	12 x 12 (144)	10 x 10 (100)	9 x 9 (81)	8 x 8 (64)	7 x 7 (49)	7 x 7 (49)	6 x 6 (36)	5 x 5 (25)	4 x 4 (16)	
137 x 555	WB255	12 x 52 (624)	10 x 42 (420)	10 x 41 (410)	9 x 38 (342)	8 x 33 (264)	7 x 30 (210)	6 x 27 (162)	5 x 22 (110)	4 x 18 (72)	
133 x 555	WB359	12 x 50 (610)	10 x 42 (420)	9 x 41 (369)	9 x 37 (333)	7 x 33 (231)	7 x 29 (203)	6 x 27 (162)	5 x 22 (110)	4 x 18 (72)	



Screen Printed Tray WB1166/16

STORAGE BINS

Storage bins are a useful way of keeping loose items safe within a freezer. Storage bins are manufactured from anodised aluminium or stainless steel. All storage bins have either a fold down handle or hand grip. Bins can be designed to have a handle on each end for transport if required. All storage bins are fitted with a label holder so the user can easily identify which bin they require. Storage bins can be designed to fill the height of any freezer compartment or be smaller and stored in a horizontal cold store (see page 6).

Storage bins can be manufactured to any size required, our standard size bins are 140mm wide and 280mm wide however many more are available, visit our website to view the most popular range of storage bins.

Drop on lids and hinged lids are also available if required and can have an option to be locked to keep items inside safe. Inserts can be added to the storage bins to divide it into sections making it easier to separate items.

If you require an aluminium storage bin it can be produced in a range of colours including black, red, gold, blue and purple. Aluminium bins are considerably lighter than stainless steel which makes them easier for transportation.

ORDERING INFORMATION

All bins are supplied with a handle or hand grip and label holder. If you require your storage bin in stainless steel add 'SS' to the end of the part number.

Storage Bin Size	Part Number
235h x 175w x 560d	BIN 180
200h x 195w x 560d	BIN 186
140h x 400w x 400d	BIN 255
280h x 270w x 560d	BIN 475
400h x 205w x 560d	BIN 506
130h x 160w x 560d	BIN 560
235h x 145w x 560d	BIN 580
235h x 140w x 560d	BIN 581
235h x 180w x 560d	BIN 585
200h x 500w x 620d	BIN 634



Storage bin with dividers **BIN 506D**



Storage bin **BIN 404**



Storage bin with lid **BIN 581**

HORIZONTAL DRAWER SYSTEMS

If a single storage bin designed to fit a freezer shelf is too large the other option is to have smaller bins that fit into horizontal outers. These drawers are smaller than storage bins and are better suited for storing small loose items but can also be used for cryoboxes bottle or jars.

Horizontal drawer systems are sold complete and are manufactured in aluminium or stainless steel. There are many different options of design for a horizontal drawer system. All drawers come complete with a handle or hand grip for easy use and a label holder to identify the contents. Drawer systems can have any amount or size drawer depending on the requirements for the user. Drawers can have special features such as handles on each end to make transporting the drawer easier or have dividers fitted to organise items.

Aluminium drawer systems are available with different coloured handles which include black, red, gold, blue and purple to help differentiate between drawers.



Horizontal Drawer System **AH178/2DR**



Horizontal Drawer System **AH692/2DR**



Stainless steel horizontal drawer system **AH179/2DRSS**

BESPOKE STORAGE

Should you require a bespoke designed drawer system or storage bin please visit our website to complete a quotation request. The details that will be required for a quotation are the freezer make and model or the internal compartment size and any details on the size of items to be stored.

Number Of Drawers	Outer Dimensions (mm)	Part Number
2	290H X 280W X 560D	AH202/2DR
3	290H X 280W X 560D	AH202/3DR
2	340H X 280W X 560D	AH692/2DR
3	340H X 280W X 560D	AH692/3DR
2	250H X 210W X 560D	AH998/2DR
3	250H X 210W X 560D	AH998/3DR
2	420H x 140W x 560D	AH179/2DR
3	420H x 140W x 560D	AH179/3DR
2	420H x 205W x 560D	AH178/2DR
3	420H x 205W x 560D	AH178/3DR

Also available in stainless steel.
To order add SS to the end of the part number

VERTICAL COLD STORES

Vertical cold stores can be designed to fit any chest freezer or liquid nitrogen vessel (for storage in liquid nitrogen please go to page 24).

Vertical cold stores come in many different designs and sizes the most popular design is to store cryoboxes, they are available from aluminium or stainless steel. All standard verticals have solid sides or a wraparound body for increased strength there are holes in the back of the unit to push the cryobox out. Verticals are fitted with a fold down handle to allow easy access to remove the unit from the chest freezer. There are different handle designs depending on what is required, a fold down is the most common and available in a 90-degree version to allow more space for the user to access the handle when wearing gloves. Fixed handles are also available which are always in the upright position, the disadvantage of a fixed handle is it can take up extra space within the freezer.

For standard size racks please see the table below or freezer reference guide towards the back of this catalogue, should you require a bespoke rack please complete a quotation request on our website. We will require the details of the make and model of the freezer along with the box size to be stored.

RACKS FOR CRYOBBOXES (133mm x 133mm)

Dimensions (mm)	Box Size / Boxes Per Rack	Part Number
751h x 139w x 136d	2" (50mm) / 13	VC225/13
751h x 139w x 136d	3" (75mm) / 9	VC225/9
751h x 139w x 136d	4" (100mm) / 7	VC225/7
725h x 138w x 142d	2" (50mm) / 13	TWK1SC
725h x 82w x 85d	2" (50mm) / 13	TWK2SC
580h x 140w x 140d	2" (50mm) / 10	CS93/10NL
515h x 140w x 140d	2" (50mm) / 9	VC138/9NL
403h x 140w x 140d	2" (50mm) / 7	VC360/7NL
580h x 140w x 140d	3" (75mm) / 7	CS93/7NL
519h x 140w x 140d	3" (75mm) / 6	VC138/6NL

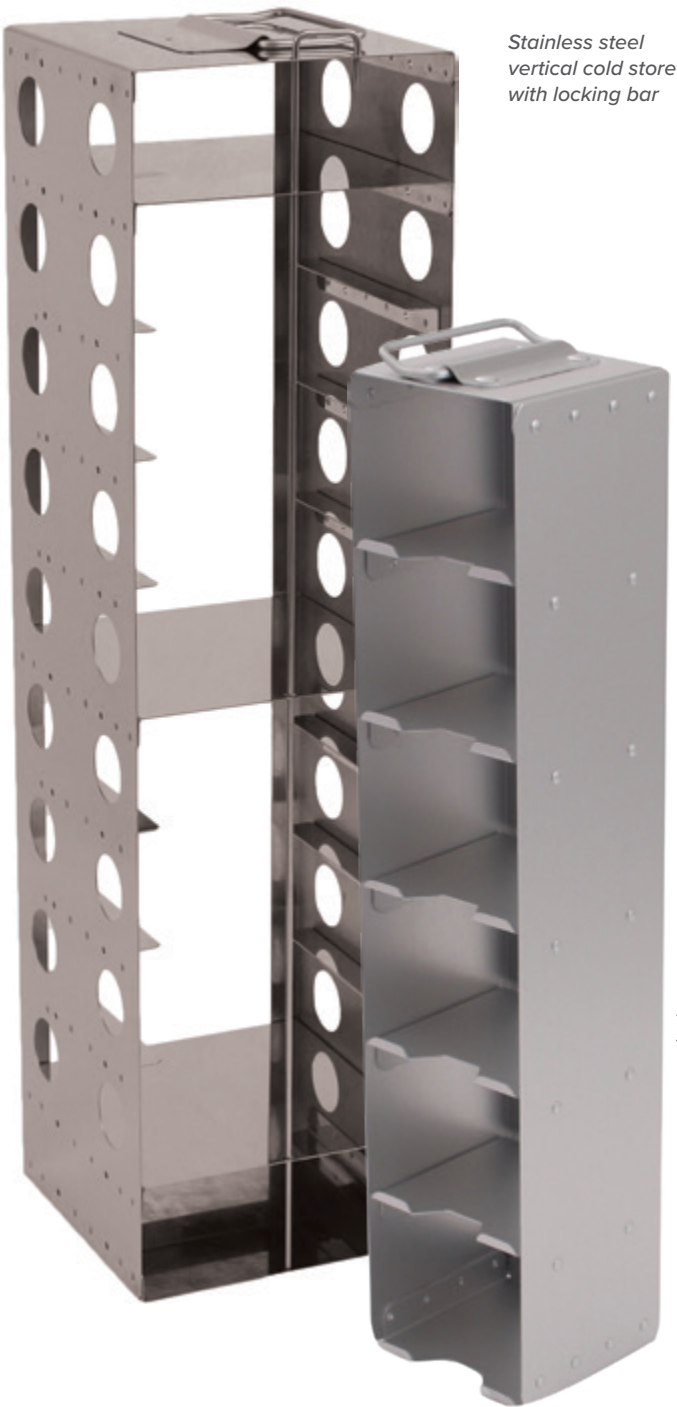
To hold cryoboxes in place there are many different options. A locking bar is the most cost effective option and is most popular for the cost focused end user. Other options include a 3mm lip on the front of the shelf, this holds the boxes and stops them falling forwards, however this will not hold them if the vertical is turned completely on its side. Spring clips are another option to hold boxes, a spring clip is fitted to the side of the vertical and when the box is inserted the clip presses against it holding it in place. Spring clips are capable of holding boxes in place even when the vertical is lying face down. To remove the box, the user has to push it out through the back of the vertical. The spring clip stays fitted to the vertical and is ready when the box has to be returned.

Vertical cold stores can be fitted with engraved labels and coloured handles to help identify them, the following colours are available, black, red, gold, blue and purple.

Wesbart also offer a range of vertical racks for the storage of 100 cell hinged cryoboxes, these racks are suitable for chest freezers. All racks feature a locking bar to hold the boxes in place. Racks also available in stainless steel.

RACKS FOR HINGED CRYOBBOXES (141mm x 155mm)

Box height	Boxes Per Rack	Rack dimensions	Part Number
63 mm	10	655h x 150w x 160d	VC055/10DB
63 mm	6	410h x 150w x 160d	VC301/6DB
57 mm	13	765h x 150w x 160d	VC316/13DB
57 mm	7	430h x 150w x 160d	VC321/7DB
57 mm	12	730h x 150w x 160d	VCSA77/12DB
63 mm	11	730h x 150w x 160d	VCSA77/11DB



Stainless steel vertical cold store with locking bar

Vertical cold store with 3mm lip

Vertical cold store with spring clips

Vertical cold store with locking bar and label



TEST TUBE RACKS

Test Tube racks are an effective way of storing Falcon/ Universal tubes, Bijoux, cryogenic vials or any size glass bottles. Racks are available in aluminium and stainless steel with the option of a hand grip. Test Tube racks can be designed to fit in horizontal cold store or be free standing. The standard size holes we offer are; 10, 12, 13, 14, 16, 18, 20, 24, 30mm and other sizes are available on request. Different size test tubes racks are available to suit your requirements. Test tube racks are available in colours such as black, red, gold, blue and purple, labels can be fitted to racks so they can be easily identified.

ORDERING INFORMATION

The part number below is an example of a single platform rack with 12x 30mm Holes (shown on the page opposite).



Add ‘**HG**’ to the end of the part number if you require a Hand grip and ‘**SS**’ if you would like stainless steel.

Visit our website (www.wesbart.co.uk) for further details, prices and orders.

HOW TO FIND THE TEST TUBE RACKS FOR YOU

Use the division size guide located on the inside cover of the catalogue to find the size hole you require. Decide the layout and size you require the rack to be, if you require the rack to fit in an existing horizontal cold store you will need to quote the size of the shelf. We can design any size rack with any layout of holes.

SINGLE PLATFORM

Single Platform test tubes racks are ideal for storing short flat bottomed test tubes. The height of a single platform rack ranges from 22 - 42 mm. Please provide information of the height of the test tube to be stored when ordering.

Hole Diameter	Format	Capacity	Height (mm)	Length (mm)	Width (mm)	Part Number
7	5 x 10	50	28	127	62	SP0750
12	4 x 12	48	28	216	77	SP1248
13.5	5 x 10	50	46	187	94	SP1350
14	4 x 10	40	22	207	87	SP1440
14	5 x 10	50	22	207	107	SP1450
17.5	3 x 10	30	33	232	75	SP1730
17.5	4 x 10	40	33	232	98	SP1740
17.5	5 x 10	50	33	232	120	SP1750
17.5	2 x 12	24	33	277	53	SP1724
17.5	3 x 12	36	33	277	75	SP1736
18	5 x 10	50	30	252	129	SP1850
18	10 x 10	100	30	252	249	SP18100
23.5	6 x 6	36	30	177	173	SP2336
23.5	6 x 7	42	30	204	173	SP2342
23.5	12 x 7	84	30	341	200	SP2384
30	1 x 10	10	42	364	54	SP3010
30	2 x 6	12	42	223	80	SP3012

Other hole sizes available on request



Single platform test tube rack **SP3012**

DOUBLE PLATFORM

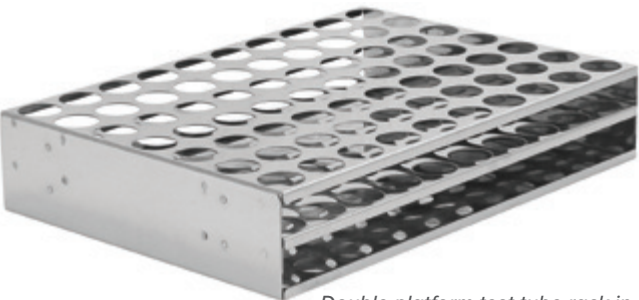
Double Platform Racks are ideal for storing taller or round- bottomed tubes. The standard height for Double Platform racks is 46 or 60mm however other sizes are available on request. If you require a taller rack, consider looking at a Triple Platform rack.

Hole Diameter	Format	Capacity	Height (mm)	Length (mm)	Width (mm)	Part Number
11	2 x 10	20	46	214	48	DP1120
11	3 x 10	30	46	214	68	DP1130
11	4 x 10	40	46	214	88	DP1140
11	5 x 10	50	46	214	108	DP1150
11	4 x 12	48	46	253	88	DP1148
11	5 x 12	60	46	253	108	DP1160
14	2 x 10	20	60	210	52	DP1420
14	4 x 10	40	60	210	87	DP1440
14	5 x 10	50	60	210	107	DP1450
14	3 x 12	36	60	250	67	DP1436
14	4 x 12	48	60	250	87	DP1448
14	5 x 12	60	60	250	107	DP1460
14	12 x 12	144	60	250	246	DP14144
18	2 x 10	20	60	233	53	DP1820
18	3 x 10	30	60	233	75	DP1830
18	4 x 10	40	60	233	98	DP1840
18	5 x 10	50	60	233	120	DP1850
18	10 x 10	100	60	233	233	DP18100
18	2 x 12	24	60	277	53	DP1824
18	3 x 12	36	60	277	75	DP1836
18	4 x 12	48	60	277	98	DP1848
18	5 x 12	60	60	277	120	DP1860
18	10 x 12	120	60	277	233	DP18120
20	2 x 10	20	60	283	70	DP2020
20	3 x 10	30	60	283	85	DP2030
20	4 x 10	40	60	283	112	DP2040
20	5 x 10	50	60	283	140	DP2050
20	2 x 12	24	60	336	70	DP2024
20	3 x 12	36	60	336	85	DP2036
20	4 x 12	48	60	336	112	DP2048
20	5 x 12	60	60	336	140	DP2060

Other hole sizes available on request



Double platform test tube rack **DP1860**



Double platform test tube rack in stainless steel **DP3070SS**

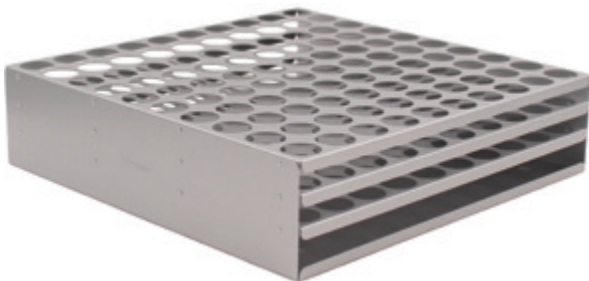
TRIPLE PLATFORM

Triple Platform Racks are best for storing tall items. The standard size holes we offer are; 10, 12, 13, 14, 16, 18, 20, 24, 30mm and other sizes are available on request. A triple platform rack offers more support to taller items so they are more stable. Racks are made in aluminium or stainless steel.

Visit our website for a list of the most popular Triple Platform racks we offer.

Hole Diameter	Format	Capacity	Height (mm)	Length (mm)	Width (mm)	Part Number
11	3 x 10	30	90	214	68	TP1130
14	2 x 10	20	90	210	52	TP1420
18	2 x 10	20	90	233	53	TP1820
18	5 x 10	50	90	233	120	TP1850
18	3 x 12	36	90	277	75	TP1836
18	10 x 12	120	90	277	233	TP18120
20	5 x 10	50	90	283	140	TP2050
20	5 x 12	60	90	336	140	TP2060
30	10 x 10	100	90	366	366	TP30100

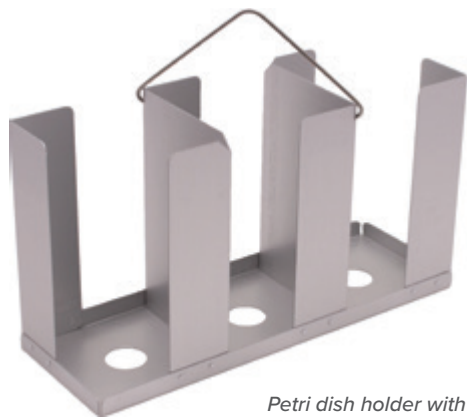
Other hole sizes available on request



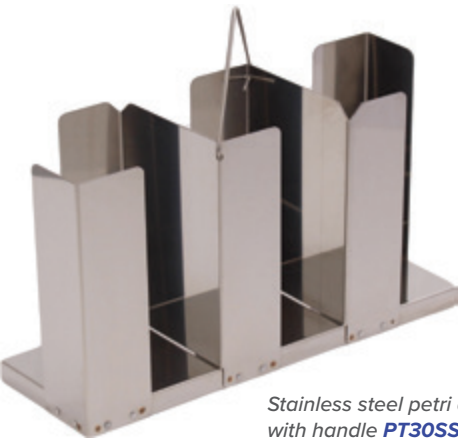
Triple platform test tube rack **TP30100**

PETRI DISH HOLDERS

Petri dish holders can be made from 1mm anodised aluminium or 0.7mm stainless steel. The design includes a fold down stainless steel handle for transport, there is the option to have an engraved label or label holder fitted to identify the unit. The base of the unit can be flat or inverted depending on the specification required. Aluminium petri dish holders are available in a variety of colours including, black, red, gold, blue and purple.



Petri dish holder with handle **PT30F**



Stainless steel petri dish holder with handle **PT30SS**



Petri dish holder with handle **PT60**

Petri dish holders can be used for storing a range of different size petri dishes. The most popular design is the PT30 which holds 30x 100mm dishes other varieties are available such as the PT45 which holds 45 or the PT60 which holds 60x 55mm dishes.

ORDERING INFORMATION

Add ‘**F**’ to the end of the part number if you require a flat base, ‘**LH**’ to the end for a label holder, and ‘**SS**’ if you would like stainless steel.

Capacity	Dimensions (mm)	Part Number
30 x 90/100mm dishes	170h x 110w x 325d	PT30
30 x 90/100mm dishes	170h x 110w x 325d	PT30F
30 x 90/100mm dishes	170h x 110w x 325d	PT30LH
30 x 90/100mm dishes	170h x 110w x 325d	PT30SS
40 x 90/100mm dishes	175h x 202w x 202d	PT40
45 x 90/100mm dishes	250h x 110w x 325d	PT45
60 x 55mm dishes	175h x 130w x 130d	PT60
60 x 55mm dishes	175h x 130w x 130d	PT60F
60 x 55mm dishes	175h x 130w x 130d	PT60LH
60 x 55mm dishes	175h x 130w x 130d	PT60SS

Should you not be able to find the petri dish holder you require, visit our website to fill in the quotation request.

Petri dishes and contact plates are also available in a variety of sizes.

TRANSPORT BOXES

Wesbart transport boxes are manufactured from 1.5mm anodised aluminium with leak-proof welded seams. They feature a heavy duty fold down handle meaning the boxes are stackable. The lid of a transport box can be hinged or removable. All boxes are autoclavable up to 200 degrees.



Transport boxes are fitted with stainless steel safety catches which can be lockable. The handle automatically locks in the upright position to prevent the box from swinging and damaging the contents. Transport boxes have the option to be fitted with a silicone gasket on the lid to tightly seal.



Transport box with side handles



Transport box with upright handle

Transport boxes can be designed in any size to meet the requirements of the user

FREEZER FRAMES

Freezer frames fit neatly into the freezer once shelves have been removed and are available in any size/ design required. Drawers can be any size designed to store the maximum number of samples, these drawers are fitted to smooth running maintenance free runners. Drawers are available in aluminium or stainless steel. Frames can be designed to hold large dividers ideal for blood bag storage.

Freezer frames can also be used in cold rooms alongside cold room racking or be free standing in laboratories. Freezer frames are shipped complete with all drawers in place and ready to use. Wesbart do also offer a fitting service for freezer frames. For a bespoke design freezer frame please visit our website to complete a quotation request.



COLD ROOM RACKING

Cold room racking is an effective way of getting the maximum storage of items in a small space. Our cold room racking is a bespoke design to accommodate all the needs for the end user. We are able to design a section of free standing racking onto which smaller racks and trays are placed. Cold room racking can also be used to store bins or loose items.

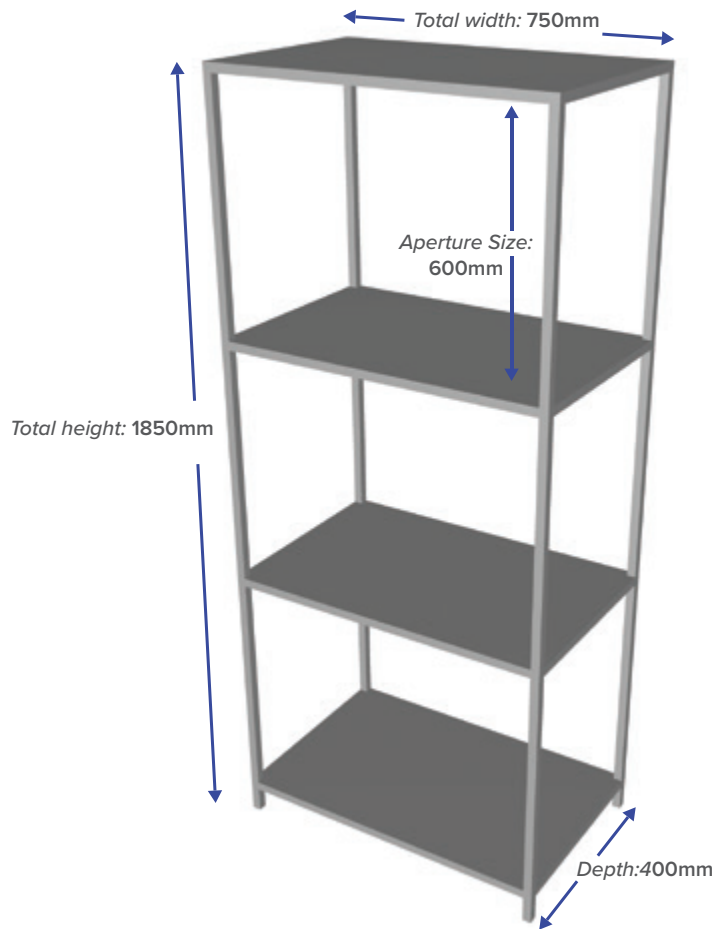
All frames are made from stainless steel uprights and fitted with brushed stainless steel shelves for increased strength and durability.

All cold room racking is delivered and fully installed. This service is available across mainland U.K. only.

If you require a cold room quotation, please visit our website for more details most cold room quotes require an inspection. We are able to provide a layout for the racking and CAD drawings of the racks to give you a visual guide.

A recent installation of a cold room racking system at The Pirbright Institute.

This system was designed with the customer to store a custom designed tray to hold samples.



CRYOGENIC STORAGE

On the following pages we have a wide range of products specifically designed to work in cryogenic storage vessels. These items include vertical cold stores for storage of cryo boxes, base plinths and frames, canisters for straw storage and cassettes for storing blood bags. We offer a large range of items for cryogenic vessels and understand each user's requirements are different. Should the items you require not be listed in this catalogue please visit our website to complete a quotation request.

HOW TO FIND THE CORRECT RACKING FOR YOUR FREEZER

Need help finding the correct racking for your cryogenic vessel? Please see the reference guides on page 61, or for a large range of racking try our online reference guide at www.wesbart.co.uk

VERTICAL COLD STORES

Verticals for storage in cryogenic vessels are similar to the verticals used in chest freezers. They are available with locking rods, spring clips, shelf lips and labels. They are manufactured in aluminium or stainless steel. Vertical cold stores for cryogenic vessels are also available with adjustable shelves ideal for storing different size microtiter plates. The shelves can be easily removed and re-positioned to store different size items. Verticals are also available with different size apertures depending on your requirements.

Verticals can be fitted with doors which are useful when storing blood bags to hold the bags in position. Cassette carriers are designed to hold aluminium cassettes in individual compartments, these can also be fitted with a door to retain the cassettes.



PLINTHS

Plinths are used for vapour phase vessels to stop items being submerged in the liquid. Plinths are supplied in two halves and placed on the base of the vessel. Plinths are available in aluminium or stainless steel and have holes in to allow the vapour to circulate effectively around the vessel.

If the item being stored is a vertical cold store, we offer an option to blank off the bottom apertures of the unit which would sit in the liquid.

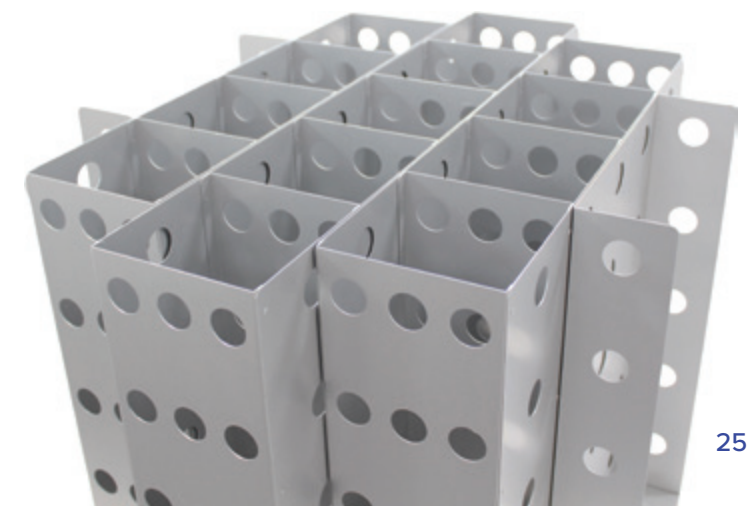


FRAMES & BLOOD BAG BOXES

Frames are an effective way of storing blood bag boxes in liquid nitrogen vessels. Frames are manufactured in aluminium or stainless steel. They are designed in sections so they are easy to fit in the vessel. Frames have 30mm holes to allow the circulation of liquid nitrogen. The design of a frame depends on what the user wishes to store and can be designed to fit all liquid nitrogen vessels on the market. Vapour phase vessels frames are designed to hold items above the liquid level.

Blood bags are the most popular item to be stored in a frame system. Blood bags are placed into boxes which fit neatly into the frame maximizing the storage use of a vessel.

If you require a quote for a frame, plinth or vertical to store items in a liquid or vapour phase vessel please visit our website to complete a quotation request.



CANISTERS

Canisters are an effective way to store goblets in all types of liquid nitrogen and vapour freezers. Canisters are made from anodised aluminium tube for increased strength. The base of the canisters is perforated to allow for air flow. The standard size canisters have a diameter of 70mm or 75mm and can be designed at any length required.

All canisters come with stainless steel lifters to allow easy use to remove the goblets quickly with gloves on. There are two different lifter designs, the 70mm diameter canisters can only take the basic lifter whereas the 75mm can take a sectioned lifter. Lifters are available with labels to help identify them.

The table below shows the number of canisters to be stored in a range of Taylor Wharton vessels. For Vapour vessels we recommend a base plinth (see page 25). Should you require canisters for a vessel not listed below please visit our website to complete a quotation request.

Vessel	Phase	Number of 70mm Canisters	Goblets per Canister	Part Number
10K	Liquid	42	5	CAN010
10K	Vapour	42	4	CAN03
24K	Liquid	90	5	CAN010
24K	Vapour	90	4	CAN03
38K	Liquid	156	5	CAN010
38K	Vapour	156	4	CAN03
LABS 20K	Vapour	71	5	CAN010
LABS 38K	Vapour	126	5	CAN010
LABS 40K	Vapour	140	5	CAN010
LABS 80K	Vapour	281	5	CAN010
LABS 94K	Vapour	281	6	CAN030
AI-91K 4 sections	Vapour	312	2	CAN014
AI-91K 6 sections	Vapour	306	2	CAN014



BLOOD BAG CASSETTES

Cassettes are a safe way of storing and protecting blood bags. When dropped the design of the cassette protects the blood bag by absorbing the shock. Cassettes are manufactured in aluminium but are also available in stainless steel.

Wesbart is an approved supplier for Maco Pharma blood bag cassettes. These cassettes have been designed in partnership with Maco Pharma to meet their requirements of strength and durability. Below is a table matching the Maco Pharma blood bag to the cassette required to store it.

These cassettes have a wing on the top and a window to see the label on the bag.

Part Number	Compatible with Maco Pharma ref.
CAS-0010AU	GSR0501AU
CAS-1000AU	GSR1000AU
CAS-5020AU	GSR2001AU, GSR5001AU, GSR7001AU
CAS-7010AU	GSR7000AU
CAS-5020AU	GSR7003AU, GSR7002AU

Wesbart also has a range of other cassettes designed to take different bags, the table below has the most popular range of blood bags.

Part Number	Compatible with:
CAS009	Baxter 4R9957 (750ml)
CAS010	Baxter 4R9955 (500ml)
CAS011	Baxter 4R9953 (250ml)
CAS014	Gambro DF700 (700ml)
CAS030	Origen CS500 (500ml)

If you have a blood bag that is not listed or require a bespoke design, please contact us via our website to request a quotation as we can design and manufacture a cassette to suit. (Please see page 28 for cassette frames).



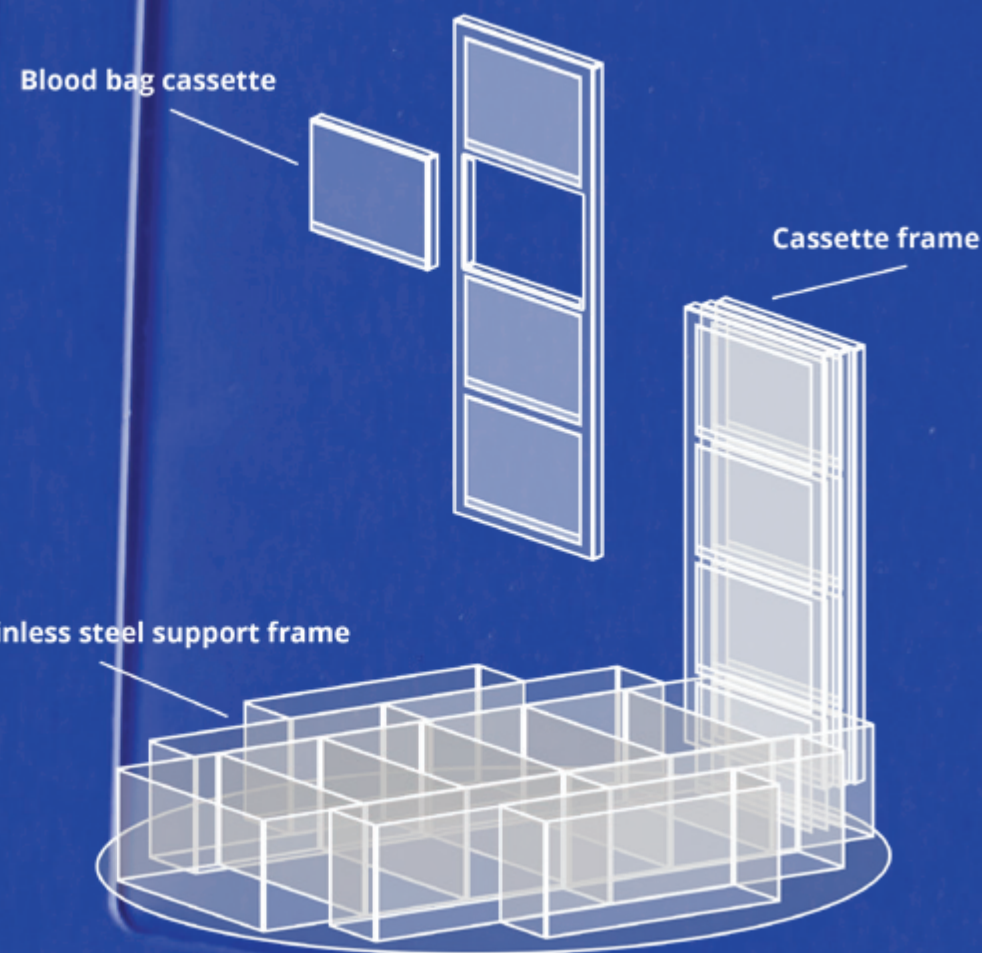
Side wing cassette closed



Side wing cassette open



Top wing cassette closed



CASSETTE FRAMES

Cassette carriers are designed to hold blood bag cassettes in liquid nitrogen vessels. Each blood bag is stored in an individual cassette which is placed into the rack. Racks are manufactured from lightweight anodised aluminium.

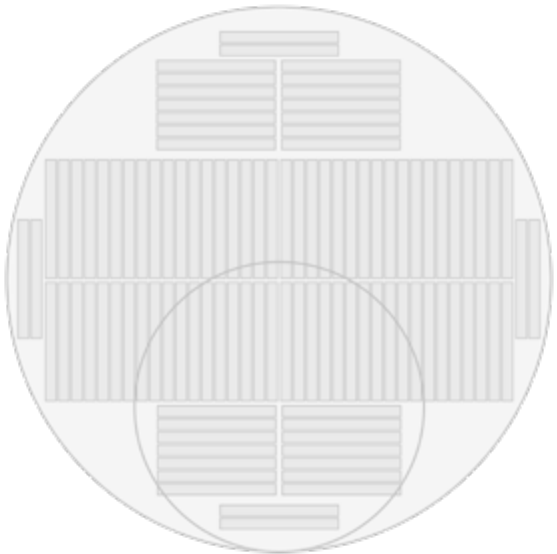
All racks have a handle on the top and are supplied with a lifting rod to easily remove the rack from the vessel. Racks can be supplied with locking bars or spring clips to hold the cassette in position. Racks have the option of plastic engraved numbered labels to be fitted to the handles to easily identify the required rack.

Vessel	Blood Bag Size	Cassettes per rack	Cassettes per vessel	Racks Per Vessel	Part Number
Worthington 10K / Taylor Wharton 10K	250ml	5	240	48	LR011/5
	500ml	5	175	35	LR010/5
	750ml	5	160	32	LR009/5
Worthington 24K / Taylor Wharton 24K	250ml	5	540	108	LR011/5
	500ml	5	385	77	LR010/5
	750ml	5	340	68	LR009/5
Worthington 38K / Taylor Wharton 38K	250ml	5	920	184	LR011/5
	500ml	5	720	144	LR010/5
	750ml	5	635	127	LR009/5
Worthington LABS20K / Taylor Wharton LABS20K	250ml	5	460	92	LR011/5
	500ml	5	340	68	LR010/5
	750ml	5	290	58	LR009/5
Worthington LABS38K / Taylor Wharton LABS38K	250ml	5	780	156	LR011/5
	500ml	5	570	114	LR010/5
	750ml	5	500	100	LR009/5
Worthington LABS40K / Taylor Wharton LABS40K	250ml	5	910	182	LR011/5
	500ml	5	650	130	LR010/5
	750ml	5	570	114	LR009/5
Worthington LABS80K / Taylor Wharton LABS80K	250ml	5	1800	360	LR011/5
	500ml	5	1300	260	LR010/5
	750ml	5	1160	232	LR009/5
Worthington LABS94K / Taylor Wharton LABS94K	250ml	6	2160	360	LR011/6
	500ml	6	1560	260	LR010/6
	750ml	6	1392	232	LR009/6

Cryogenic support frames are also available to hold racks in position. These are recommended if the vessel is holding a larger quantity of racks.

Rack layouts can be provided to show how many racks will fit in a preferred vessel. It is possible to mix the use in a vessel to hold different size cassette racks and cryobox racking.

The table above shows the capacities to store 250ml, 500ml and 750ml blood bags in Taylor Wharton/ Worthington vessels.



Rack layout for storage of **LR009/5** in Worthington 24K / Taylor Wharton 24K



Aluminium cassette rack **LR009/5**

HANGING ROD RACKS

These racks are manufactured from anodised aluminium and feature a carbon insulated stainless steel hanging rod designed to hook over the neck of the vessel. Racks are ideal for storing 2inch or 4inch boxes, racks are also available to store goblets, cassettes or blood bags.



These racks are supplied with locking bars, racks are also available with spring clips. Polycarbonate boxes supplied with the racks have 10x10 dividers to hold 1.2ml or 2.0ml vials with internal treads. 9x9 boxes are also available.

Vessel	Boxes per rack	Racks per vessel	Part number excluding 10x10 boxes	Part number Including 10x10 Boxes
Worthington LS750/ Taylor Wharton LS750	5	6	RS750	RS750B
Worthington LS3000/ Taylor Wharton LS3000	5	6	RS3000	RS3000B
Worthington LS4800/ Taylor Wharton LS4800	5	6	RS4800	RS4800B
Worthington LS6000/ Taylor Wharton LS6000	8	6	RS6000	RS6000B
Thermo Locator 4 plus	10	4	VC454/10	VC454/10B
Thermo Locator 6	10	6	VC454/10	VC454/10B

Should the rack for your vessel not be listed please contact us for a quotation.

Locking systems on the racks include locking bars spring clips or front lips to hold the boxes in place.

PIE SHAPED RACKING SYSTEMS

Pie shape racking is an excellent way to maximise the storage capacity of your cryogenic vessel. The design of the pie rack can increase sample capacity compared to the usual 10x10 box racking. These racks hold pie shaped trays which can be fitted with single platform inserts or dividers to hold 1.2ml or 2.0ml vials. Racks are fitted with a locking bar to stop the trays falling forwards when the rack is removed from the vessel. All racks are stamped on the top face with letters and trays are numbered to easily locate the samples within the vessel.

This rack system is suitable for liquid or vapour phase vessels, either a base plinth is provided for vapour phase storage, or the bottom apertures in the rack are blocked off to keep the samples above the liquid level.

Replacement plastic or aluminium inserts are available for selected systems.

Vessel	Insert / Divider	Capacity (1.2/2.0ml vials)	Part Number	Base Plinth
Statebourne BioStore 5 (Liquid)	12mm dividers	5,292	ICS001	Not required
Statebourne BioStore 5 (Liquid)	Aluminium insert	5,076	ICS001INS	Not required
Statebourne BioStore 5 (Vapour)	12mm dividers	4,116	ICS002	Not required
Statebourne BioStore 5 (Vapour)	Aluminium insert	3,948	ICS002INS	Not required
Taylor Wharton/ Worthington 3K (Liquid)	12mm dividers	3,726	ICS042	Not required
Taylor Wharton/ Worthington 3K (Liquid)	Aluminium insert	3,726	ICS042INS	Not required
Taylor Wharton/ Worthington 3K (Liquid)	Plastic insert	3,726	ICS042P	Not required
Taylor Wharton/ Worthington 3K (Vapour)	12mm dividers	2,898	ICS045	Required, Part No. 3KP
Taylor Wharton/ Worthington 3K (Vapour)	Aluminium insert	2,898	ICS045INS	Required, Part No. 3KP
Taylor Wharton/ Worthington 3K (Vapour)	Plastic insert	2,898	ICS045P	Required, Part No. 3KP



Tray with aluminium insert



Tray with aluminium dividers

CARDBOARD CRYO BOXES

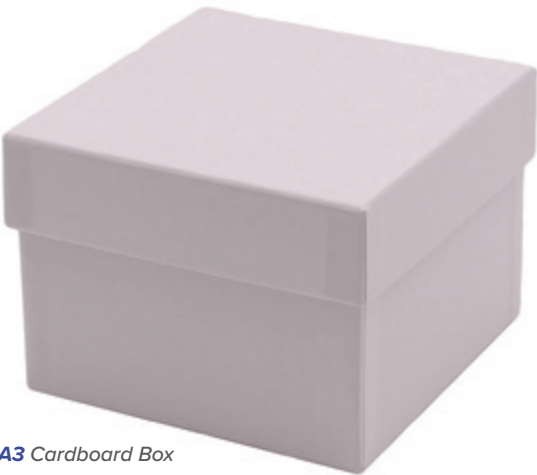
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A2 Cardboard Box with dividers



A1 Cardboard Box with dividers



A3 Cardboard Box



A3 Cardboard Box with dividers

Cardboard cryo boxes are available as standard in white and made from fibreboard they have a water repellent coating to increase durability. Also offers colour variations of blue, yellow, green, and red.

WHITE CARDBOARD BOXES *(WITH LID)*

Part Number	Height (mm)	Width (mm)	Depth (mm)	Price
A25	25	133	133	£2.64
A32	32	133	133	£2.08
A1	50	133	133	£1.20
A2	75	133	133	£2.10
A3	100	133	133	£2.85
A130	130	133	133	£8.35
A25/136	25	136	136	£2.64
A32/136	32	136	136	£2.08
A1/136	50	136	136	£1.31
A2/136	75	136	136	£2.13
A3/136	100	136	136	£4.28
A130/136	130	136	136	£8.40

To make the most of the storage in a cardboard box Wesbart offers a range of dividers that can be placed inside. Dividers are made from cardboard and are available in a range of formats. Divider formats range from 3x3 layout to 16x16. All the dividers listed below are to fit boxes that are 133x133mm. If you are interested in 136x136mm box dividers please contact us.

DIVIDERS FOR CARDBOARD BOXES FOR A1/ A2 *(HEIGHT 30mm)*

Part Number	Format	Divider Cell Size (mm)	Price
DIV 3x3/30	3x3	43	£1.28
DIV 4x4/30	4x4	33	£1.52
DIV 5x5/30	5x5	26	£1.52
DIV 6x6/30	6x6	22	£1.26
DIV 7x7/30	7x7	19	£1.10
DIV 8x8/30	8x8	16	£1.10
DIV 9x9/30	9x9	14	£1.16
DIV 10x10/30	10x10	13	£1.16
DIV 11x11/30	11x11	12	£1.51
DIV 12x12/30	12x12	11	£1.73
DIV 13x13/30	13x13	10	£2.20
DIV 14x14/30	14x14	9	£2.21
DIV 15x15/30	15x15	9	£2.29
DIV 16x16/30	16x16	8	£2.31

DIVIDERS FOR CARDBOARD BOXES FOR A3 *(HEIGHT 65mm)*

Part Number	Format	Divider Cell Size (mm)	Price
DIV 3x3/65	3x3	43	£1.78
DIV 4x4/65	4x4	33	£1.78
DIV 5x5/65	5x5	26	£1.83
DIV 6x6/65	6x6	22	£1.26
DIV 7x7/65	7x7	19	£1.26
DIV 8x8/65	8x8	16	£1.26
DIV 9x9/65	9x9	14	£1.36
DIV 10x10/65	10x10	13	£1.36
DIV 11x11/65	11x11	12	£1.68
DIV 12x12/65	12x12	11	£1.88
DIV 13x13/65	13x13	10	£2.43
DIV 14x14/65	14x14	9	£2.52
DIV 15x15/65	15x15	9	£2.73
DIV 16x16/65	16x16	8	£2.94

Dividers are also available in the following heights on request, 15mm, 25mm, 30mm, 40mm and 80mm.

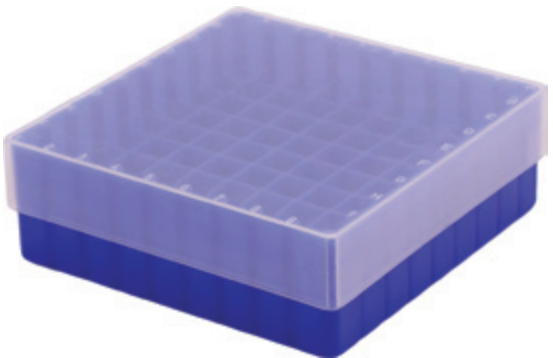
PLASTIC CRYO BOXES

We offer a large range of Polycarbonate and Polypropylene Cryostorage Boxes. Cryostorage boxes are an effective way of storing items loose or cryovials with dividers.

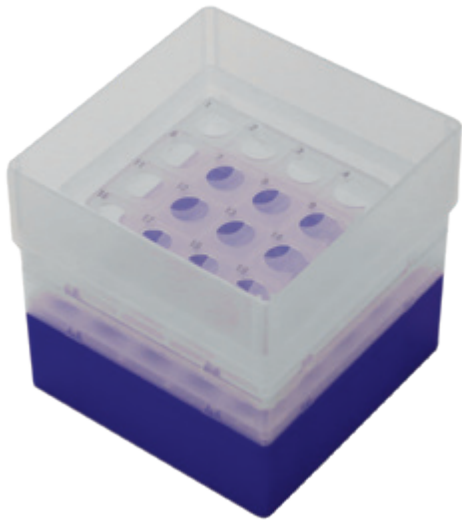
Box Type	Temperature Range
Polycarbonate	- 190°C - + 121°C
Polypropylene	- 86°C - + 160°C



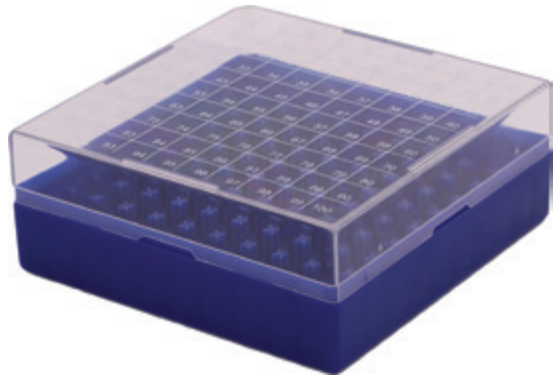
PA 1 Polypropylene Box



PA 1/81 Polypropylene Box with dividers



PA 128/25-15 Polypropylene Box for centrifuge tubes



PCA 50/100BL Polycarbonate Box with fixed dividers

Polypropylene boxes are available as an empty box or with fixed dividers. Stock colour is Wesbart blue, other colours and divider formats are available on request.

EMPTY POLYPROPYLENE BOXES *(WITH LID)*

Part Number	Height (mm)	Width (mm)	Depth (mm)	Price
PA 1	50	133	133	£2.43
PA 2	73	133	133	£2.73
PA 3	93	133	133	£4.30

POLYPROPYLENE DIVIDERS *(HEIGHT 30mm)*

Part Number	Format	Divider Cell Size (mm)	Price
PDIV 6x6/30	6x6	19	£1.38
PDIV 7x7/30	7x7	16	£1.38
PDIV 8x8/30	8x8	14	£1.49
PDIV 9x9/30	9x9	13	£1.60
PDIV 10x10/30	10x10	12	£1.60

Dividers are made from polypropylene and are available in a range of formats from 3x3 layout to 12x12. All dividers are 130x130mm and 30mm high.

POLYPROPYLENE BOXES WITH FIXED DIVIDERS *(WITH LID)*

Part Number	Height (mm)	Width (mm)	Depth (mm)	Tube Size (mm)	Capacity	Price
PA 1/81	50	133	133	12.5	9x9	£3.13
PA 2/81	73	133	133	12.5	9x9	£4.06
PA 3/81	93	133	133	12.5	9x9	£4.72

All polypropylene boxes with fixed dividers come complete with lid and labelled edges.

POLYPROPYLENE BOXES FOR CENTRIFUGE TUBES *(WITH LID)*

Part Number	Height (mm)	Width (mm)	Depth (mm)	Tube Size (ml)	Capacity	Price
PA 128/25-15	128	133	133	15	25	£7.28
PA 128/9-50	128	133	133	50	9	£7.28

POLYCARBONATE BOXES WITH FIXED DIVIDERS *(WITH LID)*

Part Number	Internal Height (mm)	External Width (mm)	External Depth (mm)	Tube Size (mm)	Capacity	Price
PCA 50/81BL	52	133	133	12.5	9x9	£5.40
PCA 50/100BL	52	133	133	12.5	10x10	£5.96
PCA 95/81BL	95	133	133	12.5	9x9	£6.28
PCA 50/25BL	52	76	76	12.5	5x5	£3.54

Polycarbonate boxes have fixed dividers with a drop in lid, the lid cover has a printed matrix to easily identify items. Stock colour is Wesbart blue, other colours are available on request.

Polypropylene boxes can be fitted with inserts to store centrifuge tubes with a capacity of 15ml and 50ml. Please visit our website to fill in a quotation request.

Prices correct at time of printing and are subject to change at any time without notice, for an up to date price list and availability visit our website. Prices exclude VAT.

PLASTIC CRYO BOXES

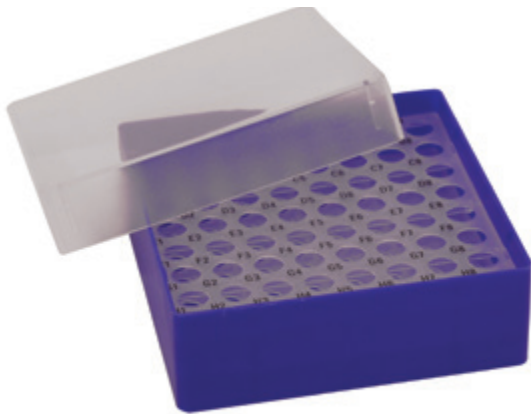
Wesbart offers a large range of Polycarbonate and Polypropylene Cryostorage Boxes. Cryostorage boxes are an effective way of storing items lose or cryovials with dividers.

Box Type	Temperature Range
Polycarbonate	- 190°C - + 121°C
Polypropylene	- 86°C - + 160°C

Order online at www.wesbart.co.uk

HINGED CRYO BOXES

All boxes have an alphanumeric ID code on the side, with fitted dividers suitable for tubes with a diameter of 12.5mm.



PA1/49 Polypropylene Box with fixed dividers



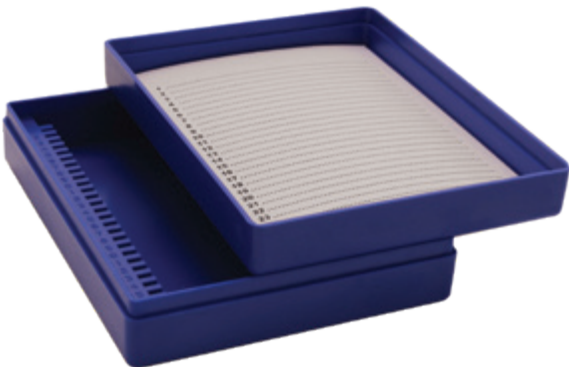
PA57/100B Hinged Cryobox with fixed dividers



PA59/100B Hinged Cryobox with fixed dividers

SLIDE BOXES

Boxes suitable for storing slides 76x26mm. Box supplied with index card and numbering in lower section. Stock colour: blue.



SLIDE35/25BU Slide Box with lid

POLYPROPYLENE BOXES WITH HOLE INSERT (WITH LID)

Part Number	Height (mm)	Width (mm)	Depth (mm)	Hole Format	Suitable For Storing	Price
PA32/144	32	133	133	12 x 12	0.2ml PCR	£4.46
PA37/100	37	133	133	10 x 10	0.5ml Reaction Tubes	£3.61
PA52/49	52	133	133	7 x 7	Vials (Diameter 16.5 mm)	£3.88
PA52/64	52	133	133	8 x 8	Vials (Diameter 11 mm)	£3.68
PA67/25	67	133	133	5 x 5	Vials (Diameter 17 mm)	£4.41
PA75/49	75	133	133	7 x 7	Vials (Diameter 16.5 mm)	£4.58
PA75/64	75	133	133	8 x 8	Vials (Diameter 11 mm)	£4.29
PA102/49	102	133	133	7 x 7	Vials (Diameter 16.5 mm)	£5.87
PA102/64	102	133	133	8 x 8	Vials (Diameter 11 mm)	£5.87

Stock colour: Blue

All boxes have an alphanumeric ID code next to the hole to easily identify the sample. Should you require a cryobox which is not listed please contact us as we can source the cryobox for your needs

HINGED CRYO BOXES (10 x 10) (WITH LID)

Part Number	Height (mm)	Width (mm)	Depth (mm)	Colour	Price
PA 57/100N	57	141	151	Natural	£4.36
PA 57/100Y	57	141	151	Yellow	£4.36
PA 57/100B	57	141	151	Blue	£4.36
PA 57/100G	57	141	151	Green	£4.36
PA 57/100RED	57	141	151	Red	£4.36
PA 57/100OR	57	141	151	Orange	£4.36
PA 57/100BB	57	141	151	Black/Black	£4.36

Black/black boxes suitable for light sensitive samples

Inner height 50mm, 10x10 divider which holds 100 tubes up to 12.5mm diameter. With alphanumeric ID code on lid.

HINGED CRYO BOXES (5 x 10) (WITH LID)

Part Number	Height (mm)	Width (mm)	Depth (mm)	Colour	Price
PA 59/100N	59	141	85	Natural	£3.23
PA 59/100Y	59	141	85	Yellow	£3.23
PA 59/100B	59	141	85	Blue	£3.23
PA 59/100G	59	141	85	Green	£3.23
PA 59/100RED	59	141	85	Red	£3.23
PA 59/100OR	59	141	85	Orange	£3.23
PA 59/100BB	59	141	85	Black/Black	£3.23

Black/black boxes suitable for light sensitive samples

Inner height 50mm, 5x10 divider which holds 50 tubes up to 12mm diameter. With alphanumeric ID code on two sides.

SLIDE BOXES (WITH LID)

Part Number	Height (mm)	Width (mm)	Depth (mm)	Slides Per Box	Price
SLIDE35/25BU	35	96	122	25	£4.56
SLIDE35/50BU	35	100	230	50	£4.88
SLIDE35/100BU	35	185	230	100	£6.48



CRYOGENIC VIALS

Cryogenic Vials are gamma sterilized and available in resealable bags. They are supplied RNase-/DNase-/DNA- and pyrogen free.

They are made from polypropylene with a temperature range from -196 °C up to +121 °C allowing storage in the vapour phase of liquid nitrogen. Available in internal and external thread with star-base foot allowing free-standing storage. All vials can be colour-coded due to cap inserts (*see below*).

Part Number	Capacity	Dimensions (di x h)	Packing Quantity	Thread Design	Price
CV/1EXT	1.2ml	12.5mm x 35mm	25	External	£3.10
CV/2EXT	2.0ml	12.5mm x 47mm	25	External	£3.38
CV/5EXT	5.0ml	12.5mm x 90mm	10	External	£1.74
CV/1INT	1.2ml	12.5mm x 42mm	25	Internal	£5.37
CV/2INT	2.0ml	12.5mm x 49mm	25	Internal	£5.51
CV/5INT	5.0ml	12.5mm x 91mm	10	Internal	£3.04

COLOURED INSERTS

Coloured inserts are available in blue, yellow, green, red, orange, white or assorted. These can be ordered in quantities of 100 to be used with all the variations of cryo vials listed above.

CRYOGENIC VIAL RACK

Polycarbonate Cryogenic Tube Racks are available in blue, yellow, green, red and white. They are designed to hold any of the cryogenic vials mentioned above in a format of 5 x 10. The star foot design on each tube will lock in when stored, preventing the vial from rotating when tightening and unscrewing, allowing single handed operation for speed and efficiency. Temperature range from -196 °C up to +121 °C. Dimensions (W 195mm x D 100mm x H 25mm).

TUBE RACK (WITH LID)

Tube racks are made from polypropylene which is temperature resistant from -130 °C up to +121 °C. It features an alphanumeric ID code and is able to store microcentrifuge tubes, 96 x 1.5/2.0mm on one side or 96 x 0.5mm on the reverse. A range of colours are available including natural, blue, yellow, green, orange and pink. Dimensions (W 220mm x D 130mm x H 47mm).

SPECIMEN STORAGE JARS

Specimen storage jars are made from polycarbonate with a white polypropylene lid. They are high impact resistant and stackable. They are available in four sizes (*see table below*).

Part Number	Capacity	Height	Lid Size	Price
SJ/125	125ml	74mm	70mm	£3.48
SJ/250	250ml	119mm	70mm	£4.08
SJ/500	500ml	86mm	120mm	£6.40
SJ/1000	1000ml	142mm	120mm	£7.50

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MDF-U74V	MDF-300H	Isotemp 490L	Isotemp 793L
MDF-U76V	MDF-3386S		Isotemp 360L
MDF-U700VX	MDF-DU900VH-PE		Isotemp 566L
MDF-DU700VH	MDF-DU502VX		
MDF-U5386S	MDF-DU702VX		
MDF-U55V	MDF-C2156VAN		
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UXF500	HFU600B	ULT390	
HFU500T	Forma 88300	ULT1390	
UXF600	TSU300	ULT1790	
HFU600T	TSX300	ULT2090	
UXF700	Forma 88400	TLE30086	
HFU700T	TSU400	TLE40086	
EXF240	TSX400	TLE50086	
DXF240	Forma 88500	TLE60086	
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DW-86L578	DW-86L959	NU-9668	NU-99828
DW-86L338	DW-86L828J		
DW-86L490	DW-86L728J		
DW-86L388A	DW-86L628		
DW-86L728	DW-86L578J		
DW-86L828	DW-86L486		
DW-86L388J	DW-86L490J		

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490L	793L	Coldfast 400U	Coldfast 230C
		Coldfast 500U	Coldfast 400C
			Coldfast 500C

FREEZER REFERENCE GUIDES

On the following pages is a comprehensive range of products for all major manufacturers of chest and upright freezers. All the part numbers are to hold boxes with a maximum footprint of 133mm x 133mm. The range of racking includes front access racks with trays, (all front access racks include trays with handgrips), side access racks, horizontal drawer systems, storage bins and vertical cold stores. Items are available in aluminium or stainless steel, see website for prices and ordering. Should you require a bespoke design rack please complete a quotation request on our website.

EPPENDORF C585

The table below shows the part numbers and quantity required to fill an Eppendorf C585 chest freezer. The C585 chest freezer can store a total of 416 standard 2” cryoboxes (41,600 samples)

RACKS FOR CRYOBXES

Box Size	Boxes Per Rack	Racks Per Freezer	Part Number
2" (50mm)	13	32	VC225/13
3" (75mm)	9	32	VC225/9
4" (100mm)	7	32	VC225/7

EPPENDORF FC660/FC660H

The table below shows the part numbers and quantity required to fill an Eppendorf FC660 chest freezer. The FC660 chest freezer can store a total of 520 standard 2” cryoboxes (52,000 samples)

RACKS FOR CRYOBXES

Box Size	Boxes Per Rack	Racks Per Freezer	Part Number
2" (50mm)	13	40	VC225/13
3" (75mm)	9	40	VC225/9
4" (100mm)	7	40	VC225/7

EPPENDORF C760

The table below shows the part numbers and quantity required to fill an Eppendorf C760 chest freezer. The C760 chest freezer can store a total of 572 standard 2” cryoboxes (57,200 samples)

RACKS FOR CRYOBXES

Box Size	Boxes Per Rack	Racks Per Freezer	Part Number
2" (50mm)	13	44	VC225/13
3" (75mm)	9	44	VC225/9
4" (100mm)	7	44	VC225/7

All racking is suitable for cryobxes with an external footprint of 133 x 133mm. All front access racks include trays with handgrips.

If you require bespoke racking for the storage of centrifuge tubes, bottle and microtiter plates please contact us for a quotation. Whatever your racking requirements we will have a solution for you to maximise the use of your freezer.



EPPENDORF U101

The tables on this page show the part numbers and quantity required to fill an Eppendorf U101 upright freezer. The U101 upright freezer can store a total of 60 standard 2” cryoboxes (6,000 samples)

RACKS FOR CRYOBXES

Box Size	Boxes Per Rack	Racks Per Shelf	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (50mm)	10	3	6	AH274/5T	SOR110
3" (75mm)	6	3	6	AH274/3T	SOR453
4" (100mm)	4	3	6	AH274/2T	SOR455

STORAGE BINS

Bins Per Shelf	Bins Per Freezer	Dimensions (mm)	Part Number
3	6	290H x 140W x 290D	BIN 863

All racking is suitable for cryobxes with an external footprint of 133 x 133mm. All front access racks include trays with handgrips.

If you require bespoke racking for the storage of centrifuge tubes, bottle and microtiter plates please contact us for a quotation. Whatever your racking requirements we will have a solution for you to maximise the use of your freezer.

EPPENDORF U360

The tables on this page show the part numbers and quantity required to fill an Eppendorf U360 upright freezer. The U360 upright freezer can store a total of 252 standard 2” cryoboxes (25,200 samples)

RACKS FOR CRYOBXES

Box Size	Boxes Per Rack	Racks Per Shelf	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (50mm)	28	3	9	AH179/7UT	SOR090
3" (75mm)	20	3	9	AH179/5UT	SOR091
4" (100mm)	12	3	9	AH179/3UT	SOR304

HORIZONTAL DRAWER SYSTEMS

Units Per Shelf	Drawers Per Rack	Dimensions (mm)	Part Number
3	2	420H x 140W x 560D	AH179/2DR
3	3	420H x 140W x 560D	AH179/3DR
2	2	420H x 205W x 560D	AH178/2DR
2	3	420H x 205W x 560D	AH178/3DR

All racking is suitable for cryobxes with an external footprint of 133 x 133mm. All front access racks include trays with handgrips.

If you require bespoke racking for the storage of centrifuge tubes, bottle and microtiter plates please contact us for a quotation. Whatever your racking requirements we will have a solution for you to maximise the use of your freezer.

EPPENDORF U535

The tables on this page show the part numbers and quantity required to fill an Eppendorf U535 upright freezer. The U535 upright freezer can store a total of 336 standard 2” cryoboxes (36,600 samples)

RACKS FOR CRYOBXES

Box Size	Boxes Per Rack	Racks Per Shelf	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (50mm)	28	4	12	AH179/7UT	SOR090
3" (75mm)	20	4	12	AH179/5UT	SOR091
4" (100mm)	12	4	12	AH179/3UT	SOR304

HORIZONTAL DRAWER SYSTEMS

Units Per Shelf	Drawers Per Rack	Dimensions (mm)	Part Number
4	2	420H x 140W x 560D	AH179/2DR
4	3	420H x 140W x 560D	AH179/3DR
3	2	420H x 205W x 560D	AH178/2DR
3	3	420H x 205W x 560D	AH178/3DR

All racking is suitable for cryobxes with an external footprint of 133 x 133mm. All front access racks include trays with handgrips.

If you require bespoke racking for the storage of centrifuge tubes, bottle and microtiter plates please contact us for a quotation. Whatever your racking requirements we will have a solution for you to maximise the use of your freezer.

EPPENDORF U725/U725G

The tables on this page show the part numbers and quantity required to fill an Eppendorf U725/U725G upright freezer. The U725/U725G upright freezer can store a total of 504 standard 2” cryoboxes (50,400 samples)

RACKS FOR CRYOBXES

Box Size	Boxes Per Rack	Racks Per Shelf	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (50mm)	28	6	18	AH179/7UT	SOR090
3" (75mm)	20	6	18	AH179/5UT	SOR091
4" (100mm)	12	6	18	AH179/3UT	SOR304

HORIZONTAL DRAWER SYSTEMS

Units Per Shelf	Drawers Per Rack	Dimensions (mm)	Part Number
6	2	420H x 140W x 560D	AH179/2DR
6	3	420H x 140W x 560D	AH179/3DR
4	2	420H x 205W x 560D	AH178/2DR
4	3	420H x 205W x 560D	AH178/3DR

All racking is suitable for cryobxes with an external footprint of 133 x 133mm. All front access racks include trays with handgrips.

If you require bespoke racking for the storage of centrifuge tubes, bottle and microtiter plates please contact us for a quotation. Whatever your racking requirements we will have a solution for you to maximise the use of your freezer.

EPPENDORF U410

The tables on this page show the part numbers and quantity required to fill an Eppendorf U410 upright freezer. The U410 upright freezer can store a total of 240 standard 2” cryoboxes (24,000 samples)

RACKS FOR CRYOBXES

Box Size	Boxes Per Rack	Racks Per Shelf	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (50mm)	16	3	15	AH506/4T	SOR196
3" (75mm)	12	3	15	AH506/3T	SOR197
4" (100mm)	8	3	15	AH506/2T	SOR198

STORAGE BINS

Bins Per Shelf	Bins Per Freezer	Dimensions (mm)	Part Number
3	15	235H x 170W x 560D	BIN582
3	15	235H x 170W x 560D with lid	BIN583
2	10	235H x 260W x 560D	BIN588
2	10	235H x 260W x 560D with lid	BIN589

All racking is suitable for cryobxes with an external footprint of 133 x 133mm. All front access racks include trays with handgrips.

If you require bespoke racking for the storage of centrifuge tubes, bottle and microtiter plates please contact us for a quotation. Whatever your racking requirements we will have a solution for you to maximise the use of your freezer.

EPPENDORF F570H

The tables on this page show the part numbers and quantity required to fill an Eppendorf F570H upright freezer. The F570H upright freezer can store a total of 400 standard 2” cryoboxes (40,000 samples).

RACKS FOR CRYOBXES

Box Size	Boxes Per Rack	Racks Per Shelf	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (50mm)	16	5	25	AH506/4T	SOR196
3" (75mm)	12	5	25	AH506/3T	SOR197
4" (100mm)	8	5	25	AH506/2T	SOR198

STORAGE BINS

Bins Per Shelf	Bins Per Freezer	Dimensions (mm)	Part Number
5	25	235H x 140W x 560D	BIN853
5	25	235H x 140W x 560D with lid	BIN853L

All racking is suitable for cryobxes with an external footprint of 133 x 133mm. All front access racks include trays with handgrips.

If you require bespoke racking for the storage of centrifuge tubes, bottle and microtiter plates please contact us for a quotation. Whatever your racking requirements we will have a solution for you to maximise the use of your freezer.

EPPENDORF F740 (3 SHELF)

Wesbart offers a large range of racking to make the most of the space available with the Eppendorf F740. This new freezer will hold up to 576 standard 2inch cryoboxes. That's 57,600 2ml samples 7,200 more than the U725.

Below are details of the racking to store 2, 3 or 4 inch cryoboxes along with details for horizontal drawer systems and storage bins, ideal for organising loose items. Wesbart racks are available in aluminium or stainless steel.

We pride ourselves on the quality of our workmanship and products. All our racks have no sharp edges or corners and are designed to last the lifetime of your freezer. We are so confident with the quality and durability of our products we are the only racking manufacturer to offer a 3-Year warranty.

RACKS FOR CRYOBXES

Box Size	Boxes Per Rack	Racks Per Shelf	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (50mm)	32	6	18	BH248/8T	SOR500
3" (75mm)	20	6	18	AH179/5UT	SOR368
4" (100mm)	16	6	18	BH248/4UT	SOR501

STORAGE BINS

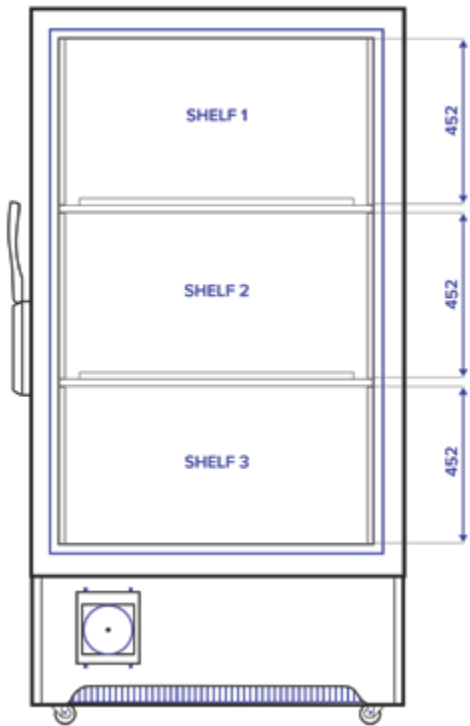
Bins Per Shelf	Bins Per Freezer	Dimensions (mm)	Part Number
4	12	410H x 205W x 560D	BIN 595

HORIZONTAL DRAWER SYSTEMS

Units Per Shelf	Drawer Per Rack	Dimensions (mm)	Part Number
6	2	420H x 140W x 560D	AH179/2DR
6	3	420H x 140W x 560D	AH179/3DR
4	2	420H x 205W x 560D	AH178/2DR
4	3	420H x 205W x 560D	AH178/3DR

All racking is suitable for cryobxes with an external footprint of 133 x 133mm. All front access racks include trays with handgrips.

If you require bespoke racking for the storage of centrifuge tubes, bottle and microtiter plates please contact us for a quotation. Whatever your racking requirements we will have a solution for you to maximise the use of your freezer.



EPPENDORF F740 (5 SHELF)

Wesbart offers a large range of racking to make the most of the space available with the Eppendorf F740. With the 5-shelf option, you are still able to store 528 standard 2 inch cryoboxes, 24 more than the U725. With the shelf arrangement of this freezer it is best suited to store a range of different height cryoboxes. With the bottom shelf (shelf 5) holding a different size rack.

Below are details on racking to store 2, 3 or 4 inch cryoboxes along with details for horizontal drawer systems and storage bins, ideal for organising loose items. Wesbart racks are available in aluminium or stainless steel.

We pride ourselves on the quality of our workmanship and products. All our racks have no sharp edges or corners and are designed to last the lifetime of your freezer. We are so confident with the quality and durability of our products we are the only racking manufacturer to offer a 3-Year warranty.

RACKS FOR CRYOBXES

SHELF 1, 2, 3, 4

Box Size	Boxes Per Rack	Racks Per Shelf	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (50mm)	16	6	24	AH506/4T	SOR196
3" (75mm)	12	6	24	AH506/3T	SOR197
4" (100mm)	8	6	24	AH506/2T	SOR198

SHELF 5

Box Size	Boxes Per Rack	Racks Per Shelf	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
2" (50mm)	24	6	6	AH073/6NMT	SOR033
3" (75mm)	16	6	6	AH073/4NMT	SOR177
4" (100mm)	12	6	6	AH073/3NMT	SOR341

STORAGE BINS

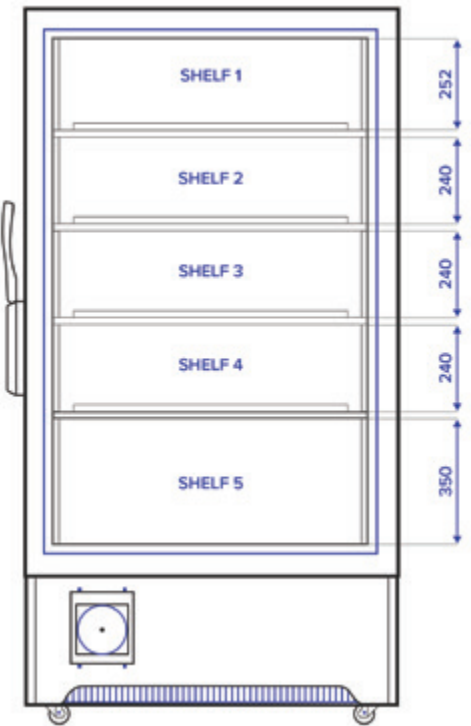
Bins Per Shelf	Bins Per Freezer	Dimensions (mm)	Part Number
6	30	235H x 140W x 560D	BIN853
6	30	235H x 140W x 560D (with lid)	BIN853L

HORIZONTAL DRAWER SYSTEMS

Racks Per Shelf	Drawer Per Rack	Dimensions (mm)	Part Number
3	2	235H x 280W x 560D	GH90/2DR

All racking is suitable for cryobxes with an external footprint of 133 x 133mm. All front access racks include trays with handgrips.

If you require bespoke racking for the storage of centrifuge tubes, bottle and microtiter plates please contact us for a quotation. Whatever your racking requirements we will have a solution for you to maximise the use of your freezer.



AH179/5UT



BH248/8T



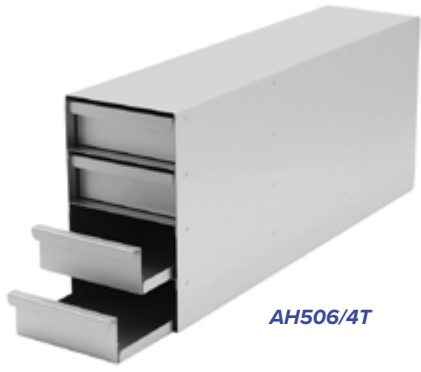
AH178/2DR



BH249/6T



SOR196



AH506/4T

PHCBI (PANASONIC)

The following pages show the part numbers of racking to fill various PHCBI upright and chest freezers, all racks are to hold boxes with a maximum footprint of 133mm x 133mm. Due to the design of PHCBI upright freezers the internal compartments can be different dimensions, because of this two different racks may need to be purchased to fill the freezer. All front access racks come complete with trays which feature handgrips. Should you require a bespoke design rack please complete a quotation request on our website.

UPRIGHT FREEZER FRONT/SIDE ACCESS RACKS FOR 2” (50MM) CRYOBBOXES

Freezer Model	Shelf	Rack Dimensions (mm)	Number of Racks	Boxes Per Rack	Part Number		Total Racks Per Freezer
					Front Access Rack	Side Access Rack	
MDF-U7386S	Shelf 1/2/3/4	290H x 140W x 560D	24	20	AH039/5NMT	SOR 032	24
MDF-U74V	Shelf 1 & 3	290H x 140W x 560D	12	20	AH039/5NMT	SOR 032	24
	Shelf 2 & 4	339H x 140W x 560D	12	24	AH073/6NMT	SOR 033	
MDF-U76V	Shelf 1 & 3	290H x 140W x 560D	12	20	AH039/5NMT	SOR 032	24
	Shelf 2 & 4	339H x 140W x 560D	12	24	AH073/6NMT	SOR 033	
MDF-U700VX	Shelf 1 & 3	290H x 140W x 560D	12	20	AH039/5NMT	SOR 032	24
	Shelf 2 & 4	339H x 140W x 560D	12	24	AH073/6NMT	SOR 033	
MDF-DU700VH	Shelf 1 & 3	290H x 140W x 560D	12	20	AH039/5NMT	SOR 032	24
	Shelf 2 & 4	339H x 140W x 560D	12	24	AH073/6NMT	SOR 033	
MDF-U5386S	Shelf 1/2/3/4	290H x 140W x 560D	16	20	AH039/5NMT	SOR 032	16
MDF-U55V	Shelf 1 & 3	290H x 140W x 560D	8	20	AH039/5NMT	SOR 032	16
	Shelf 2 & 4	339H x 140W x 560D	8	24	AH073/6NMT	SOR 033	
MDF-U500VX	Shelf 1 & 3	290H x 140W x 560D	8	20	AH039/5NMT	SOR 032	16
	Shelf 2 & 4	339H x 140W x 560D	8	24	AH073/6NMT	SOR 033	
MDF-DU500VH	Shelf 1 & 3	290H x 140W x 560D	8	20	AH039/5NMT	SOR 032	16
	Shelf 2 & 4	339H x 140W x 560D	8	24	AH073/6NMT	SOR 033	
MDF-U33V	Shelf 1 & 3	230H x 140W x 560D	6	16	AH940/4NMT	SOR 196	12
	Shelf 2 & 4	280H x 140W x 560D	6	20	AH941/5NMT	SOR 153	
MDF-300H	Shelf 1 & 3	230H x 140W x 560D	6	16	AH940/4NMT	SOR 196	12
	Shelf 2 & 4	280H x 140W x 560D	6	20	AH941/5NMT	SOR 032	
MDF-3386S	Shelf 1 & 3	230H x 140W x 560D	6	16	AH940/4NMT	SOR 196	12
	Shelf 2 & 4	280H x 140W x 560D	6	20	AH039/5NMT	SOR 032	
MDF-DU900VH-PE	Shelf 1 & 3	290H x 140W x 560D	14	20	AH039/5NMT	SOR 032	28
	Shelf 2 & 4	339H x 140W x 560D	14	24	AH073/6NMT	SOR 033	
MDF-DU302VX	Shelf 1/2/3/4	280H x 140W x 560D	12	20	AH607/5NMT	SOR 153	12
MDF-DU502VX	Shelf 1/2/3/4	339H x 140W x 560D	16	24	AH073/6NMT	SOR 033	16
MDF-DU702VX	Shelf 1/2/3/4	339H x 140W x 560D	24	24	AH073/6NMT	SOR 033	24

CHEST FREEZER RACKING FOR 2” (50MM) CRYOBBOXES

Freezer Model	Rack Dimensions (mm)	Boxes Per Rack	Part Number	Racks Per Freezer
MDF-C2156VAN	580H X 140W X 140D	10	CS93/10NL	15
MDF-1156	515H X 140W X 140D	9	VC138/9NL	9
MDF-C8V1	403H X 140W X 140D	7	VC360/7NL	6
MDF-794	745H X 140W X 140D	13	DCS36/13NL	36
MDF-594	745H X 140W X 140D	13	DCS36/13NL	24
MDF-394	515H X 140W X 140D	9	VC138/9NL	21
MDF-193	403H X 140W X 140D	7	VC360/7NL	6
MDF-DC500VX	735H X 140W X 140D	13	TWK1	32
MDF-DC700VX	735H X 140W X 140D	13	TWK1	40

UPRIGHT FREEZER FRONT/SIDE ACCESS RACKS FOR 3” (75MM) CRYOBBOXES

Freezer Model	Shelf	Rack Dimensions (mm)	Number of Racks	Boxes Per Rack	Part Number		Total Racks Per Freezer
					Front Access Rack	Side Access Rack	
MDF-U7386S	Shelf 1/2/3/4	290H X 140W X 560D	24	12	AH039/3NMT	SOR 197	24
MDF-U74V	Shelf 1 & 3	339H X 140W X 560D	12	16	AH073/4NMT	SOR 177	24
	Shelf 2 & 4	290H X 140W X 560D	12	12	AH039/3NMT	SOR1 97	
MDF-U76V	Shelf 1 & 3	339H X 140W X 560D	12	16	AH073/4NMT	SOR 177	24
	Shelf 2 & 4	290H X 140W X 560D	12	12	AH039/3NMT	SOR 197	
MDF-U700VX	Shelf 1 & 3	339H X 140W X 560D	12	16	AH073/4NMT	SOR 177	24
	Shelf 2 & 4	290H X 140W X 560D	12	12	AH039/3NMT	SOR 197	
MDF-DU700VH	Shelf 1 & 3	339H X 140W X 560D	12	16	AH073/4NMT	SOR 177	24
	Shelf 2 & 4	290H X 140W X 560D	12	12	AH039/3NMT	SOR 197	
MDF-U5386S	Shelf 1/2/3/4	290H X 140W X 560D	16	12	AH039/3NMT	SOR 197	16
MDF-U55V	Shelf 1 & 3	339H X 140W X 560D	8	16	AH073/4NMT	SOR 177	16
	Shelf 2 & 4	290H X 140W X 560D	8	12	AH039/3NMT	SOR 197	
MDF-U500VX	Shelf 1 & 3	339H X 140W X 560D	8	16	AH073/4NMT	SOR 177	16
	Shelf 2 & 4	290H X 140W X 560D	8	12	AH039/3NMT	SOR 197	
MDF-DU500VH	Shelf 1 & 3	339H X 140W X 560D	8	16	AH073/4NMT	SOR 177	16
	Shelf 2 & 4	290H X 140W X 560D	8	12	AH039/3NMT	SOR 197	
MDF-DU900VH-PE	Shelf 1 & 3	290H x 140W x 560D	14	16	AH073/4NMT	SOR 197	28
	Shelf 2 & 4	339H x 140W x 560D	14	12	AH039/3NMT	SOR 177	
MDF-DU502VX	Shelf 1/2/3/4	339H x 140W x 560D	16	16	AH073/4NMT	SOR 177	16
MDF-DU702VX	Shelf 1/2/3/4	339H x 140W x 560D	24	16	AH073/4NMT	SOR 177	24

CHEST FREEZER RACKING FOR 3” (75MM) CRYOBBOXES

Freezer Model	Rack Dimensions (mm)	Boxes Per Rack	Part Number	Racks Per Freezer
MDF-C2156VAN	580H X 140W X 140D	7	CS93/7NL	15
MDF-1156	515H X 140W X 140D	6	VC138/6NL	9
MDF-C8V1	403H X 140W X 140D	5	VC360/5NL	6
MDF-794	745H X 140W X 140D	9	DCS36/9NL	36
MDF-594	745H X 140W X 140D	9	DCS36/9NL	24
MDF-394	515H X 140W X 140D	6	VC138/6NL	21
MDF-193	403H X 140W X 140D	5	VC360/5NL	6

UPRIGHT FREEZER HORIZONTAL DRAWER SYSTEMS RACKS

Freezer Model	Shelf	Rack Dimensions (mm)	Number of Racks	Drawers Per Rack	Part Number	Racks Per Freezer
MDF-U74V	Shelf 1 & 3	290H X 280W X 560D	6	2	AH202/2DR	12
	Shelf 2 & 4	339H X 280W X 560D	6	2	AH692/2DR	
MDF-U76V	Shelf 1 & 3	290H X 280W X 560D	6	2	AH202/2DR	12
	Shelf 2 & 4	339H X 280W X 560D	6	2	AH692/2DR	
MDF-U700VX	Shelf 1 & 3	290H X 280W X 560D	6	2	AH202/2DR	12
	Shelf 2 & 4	339H X 280W X 560D	6	2	AH692/2DR	
MDF-DU700VH	Shelf 1 & 3	290H X 280W X 560D	6	2	AH202/2DR	12
	Shelf 2 & 4	339H X 280W X 560D	6	2	AH692/2DR	
MDF-U55V	Shelf 1 & 3	290H X 280W X 560D	4	2	AH202/2DR	8
	Shelf 2 & 4	339H X 280W X 560D	4	2	AH692/2DR	
MDF-U500VX	Shelf 1 & 3	290H X 280W X 560D	4	2	AH202/2DR	8
	Shelf 2 & 4	339H X 280W X 560D	4	2	AH692/2DR	
MDF-DU500VH	Shelf 1 & 3	290H X 280W X 560D	4	2	AH202/2DR	8
	Shelf 2 & 4	339H X 280W X 560D	4	2	AH692/2DR	
MDF-U33V	Shelf 1/2/3/4	250H X 210W X 560D	8	2	AH998/2DR	8
MDF-300H	Shelf 1/2/3/4	250H X 210W X 560D	8	2	AH998/2DR	8
MDF-DU502VX	Shelf 1/2/3/4	339H X 280W X 560D	8	2	AH692/2DR	8
MDF-DU702VX	Shelf 1/2/3/4	339H X 280W X 560D	12	2	AH692/2DR	12

THERMO

The following pages show the part numbers of racking to fill a range of Thermo upright and chest freezers, all racks are to hold boxes with a maximum footprint of 133mm x 133mm. All front access racks come complete with trays which feature handgrips. Should you require a bespoke design rack please complete a quotation request on our website.

UPRIGHT FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
UXF300, HFU300T, TLE30086, HLE30086	2" (50MM)	20	15	AH948/4NMT	SOR456
	3" (75MM)	15	15	AH948/3NMT	SOR383
	4" (100MM)	10	15	AH948/2NMT	SOR480
UXF400, HFU400T, TLE40086, HLE40086	2" (50MM)	20	20	AH948/4NMT	SOR456
	3" (75MM)	15	20	AH948/3NMT	SOR383
	4" (100MM)	10	20	AH948/2NMT	SOR480
UXF500, HFU500T, TLE50086, HLE50086	2" (50MM)	20	25	AH948/4NMT	SOR456
	3" (75MM)	15	25	AH948/3NMT	SOR383
	4" (100MM)	10	25	AH948/2NMT	SOR480
UXF600, HFU600T, TLE60086, HLE60086	2" (50MM)	20	30	AH948/4NMT	SOR456
	3" (75MM)	15	30	AH948/3NMT	SOR383
	4" (100MM)	10	30	AH948/2NMT	SOR480
UXF700, HFU700T	2" (50MM)	20	35	AH948/4NMT	SOR456
	3" (75MM)	15	35	AH948/3NMT	SOR383
	4" (100MM)	10	35	AH948/2NMT	SOR480
EXF240, DXF240, HFU240B	2" (50MM)	12	20	AH122/4NMT	SOR477
	3" (75MM)	9	20	AH122/3NMT	SOR478
	4" (100MM)	6	20	AH122/2NMT	SOR481
EXF320, DXF320, HFU320B	2" (50MM)	16	20	AH506/4T	SOR196
	3" (75MM)	12	20	AH506/3T	SOR197
	4" (100MM)	8	20	AH506/2T	SOR482
EXF400, DXF400, HFU400B	2" (50MM)	16	25	AH506/4T	SOR196
	3" (75MM)	12	25	AH506/3T	SOR197
	4" (100MM)	8	25	AH506/2T	SOR482
EXF600, HFU600B	2" (50MM)	20	30	AH948/4NMT	SOR456
	3" (75MM)	15	30	AH948/3NMT	SOR383
	4" (100MM)	10	30	AH948/2NMT	SOR480
Forma88300, TSU300, TSX300	2" (50MM)	25	12	BH115/5NMT	SOR462
	3" (75MM)	15	12	BH115/3NMT	SOR463
	4" (100MM)	10	12	BH115/2NMT	SOR512
Forma88400, TSU400, TSX400	2" (50MM)	25	16	BH115/5NMT	SOR462
	3" (75MM)	15	16	BH115/3NMT	SOR463
	4" (100MM)	10	16	BH115/2NMT	SOR512
Forma88500, TSU500, TSX500	2" (50MM)	25	20	BH115/5NMT	SOR462
	3" (75MM)	15	20	BH115/3NMT	SOR463
	4" (100MM)	10	20	BH115/2NMT	SOR512
Forma88600, TSU600, TSX600	2" (50MM)	25	24	BH115/5NMT	SOR462
	3" (75MM)	15	24	BH115/3NMT	SOR463
	4" (100MM)	10	24	BH115/2NMT	SOR512
Forma88700, TSU700, TSX700	2" (50MM)	25	28	BH115/5NMT	SOR462
	3" (75MM)	15	28	BH115/3NMT	SOR463
	4" (100MM)	10	28	BH115/2NMT	SOR512

CHEST FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number
ULT390	2" (50MM)	7	9	CS90/7NL
	3" (75MM)	5	9	CS90/5NL
ULT1390	2" (50MM)	12	21	VC327/12NL
	3" (75MM)	8	21	VC327/8NL
ULT1790	2" (50MM)	12	29	VC327/12NL
	3" (75MM)	8	29	VC327/8NL
ULT2090	2" (50MM)	12	33	VC327/12NL
	3" (75MM)	8	33	VC327/8NL

STORAGE BINS

Freezer Model	Bins Per Shelf	Bins Per Freezer	Dimensions (mm)	Part Number
UXF300, HFU300T	2	10	240H X 210W X 670D	BIN726
	2	10	240H X 210W X 670D <i>with lid</i>	BIN726L
UXF400, HFU400T	2	10	240H X 280W X 670D	BIN725
	2	10	240H X 280W X 670D <i>with lid</i>	BIN725L
UXF500, HFU500T	3	15	230H X 230W X 670D	BIN808
	3	15	230H X 230W X 670D <i>with lid</i>	BIN808L
UXF600, HFU600T	3	15	240H X 280W X 670D	BIN725
	3	15	240H X 280W X 670D <i>with lid</i>	BIN725L
UXF700, HFU700T	4	20	230H X 230W X 670D	BIN808
	4	20	230H X 230W X 670D <i>with lid</i>	BIN808L
EXF240, DXF240, HFU240B	2	10	220H X 270W X 240D	BIN134
	2	10	220H X 270W X 240D <i>with lid</i>	BIN134L
EXF320, DXF320, HFU320B	2	10	220H X 270W X 560D	BIN021
	2	10	220H X 270W X 560D <i>with lid</i>	BIN021L
EXF400, DXF400, HFU400B	3	15	220H X 230W X 560D	BIN069
	3	15	220H X 230W X 560D <i>with lid</i>	BIN069L
EXF600	3	15	220H X 270W X 560D	BIN021
	3	15	220H X 270W X 560D <i>with lid</i>	BIN021L

HORIZONTAL DRAWER SYSTEMS

Freezer Model	Racks Per Shelf	Racks Per Freezer	Dimensions (mm)	Part Number
UXF300, HFU300T	3	15	235H X 140W X 675D	AH948/2DR
	2	10	235H X 210W X 675D	BH202/2DR
UXF400, HFU400T	4	20	235H X 140W X 675D	AH948/2DR
	2	10	235H X 280W X 675D	BH203/2DR
UXF500, HFU500T	5	25	235H X 140W X 675D	AH948/2DR
	3	15	235H X 230W X 675D	BH204/2DR
UXF600, HFU600T	6	30	235H X 140W X 675D	AH948/2DR
	3	15	235H X 280W X 675D	BH203/2DR
UXF700, HFU700T	7	35	235H X 140W X 675D	AH948/2DR
	4	20	235H X 230W X 675D	BH204/2DR
EXF240, DXF240, HFU240B	4	20	235H X 140W X 420D	AH122/2DR
	2	10	235H X 270W X 420D	AH907/2DR
EXF320, DXF320, HFU320B	4	20	235H X 140W X 560D	AH506/2DR
	2	10	235H X 270W X 560D	AH300/2DR
EXF400, DXF400, HFU400B	5	25	235H X 140W X 560D	AH506/2DR
	3	15	235H X 230W X 560D	HC84/2DR
EXF600	6	30	235H X 140W X 675D	AH948/2DR
	3	15	235H X 280W X 675D	BH202/2DR

All horizontal drawer systems have 2 drawers per rack.

All racks are sold without boxes. Boxes can be ordered separately.



AH506/4T Horizontal cold store with trays

AH506/2DR Horizontal drawer system

Side access rack SOR383

The following page shows the part numbers of racking to fill various Haier upright and chest freezers, all racks are to hold boxes with a maximum footprint of 133mm x 133mm. All front access racks come complete with trays which feature handgrips.

UPRIGHT FREEZER
FRONT/SIDE ACCESS RACKS FOR 2” (50MM) CRYOBOXES

Freezer Model	Shelf	Racks Per Shelf	Boxes Per Rack	Part Number		Total Racks Per Freezer
				Front Access Rack	Side Access Rack	
DW-86L578S	Shelf 1/2/3/4	4	25	BH115/5NMT	SOR462	16
DW-86L828BP	Shelf 1/2/3/4	6	25	BH115/5NMT	SOR462	24
DW-86L578	Shelf 1/2/3/4	4	25	BH115/5NMT	SOR462	16
DW-86L338	Shelf 1 & 3	3	20	AH039/5NMT	SOR032	12
	Shelf 2 & 4	3	16	AH506/4T	SOR196	
DW-86L490	Shelf 1 & 3	4	20	AH039/5NMT	SOR032	24
	Shelf 2 & 4	4	16	AH506/4T	SOR196	
DW-86L388A	Shelf 1/2/3/4	3	20	AH039/5NMT	SOR032	12
DW-86L728	Shelf 1/2/3/4	5	25	BH115/5NMT	SOR462	20
DW-86L828	Shelf 1/2/3/4	6	25	BH115/5NMT	SOR462	24
DW-86L388J	Shelf 1/2/3/4	3	20	AH039/5NMT	SOR032	12
DW-86L338J	Shelf 1 & 3	3	16	AH506/4T	SOR196	12
	Shelf 2 & 4	3	20	AH039/5NMT	SOR032	
DW-86L729	Shelf 1/2/3/4	5	25	BH115/5NMT	SOR462	20
DW-86L959	Shelf 1/2/3/4	7	25	BH115/5NMT	SOR462	28
DW-86L828J	Shelf 1/2/3/4	6	25	BH115/5NMT	SOR462	24
DW-86L728J	Shelf 1/2/3/4	5	25	BH115/5NMT	SOR462	20
DW-86L628	Shelf 1/2/3/4	5	20	AH039/5NMT	SOR032	20
DW-86L578J	Shelf 1/2/3/4	4	25	BH115/5NMT	SOR462	16
DW-86L486	Shelf 1/2/3/4	4	20	AH039/5NMT	SOR032	16
DW-86L490J	Shelf 1 & 2	5	16	AH506/4T	SOR196	20
	Shelf 3 & 4	5	20	AH039/5NMT	SOR032	
DW-86L578ST	Shelf 1/2/3/4	4	25	BH115/5NMT	SOR462	16
DW-86L579BPT	Shelf 1/2/3/4	4	25	BH115/5NMT	SOR462	16
DW-86L728ST	Shelf 1/2/3/4	5	25	BH115/5NMT	SOR462	20
DW-86L729BPT	Shelf 1/2/3/4	5	25	BH115/5NMT	SOR462	20
DW-86L829BP	Shelf 1/2/3/4	6	25	BH115/5NMT	SOR462	24
DW-86L829BPT	Shelf 1/2/3/4	6	25	BH115/5NMT	SOR462	24
DW-86L959BP	Shelf 1/2/3/4	7	25	BH115/5NMT	SOR462	28

CRYOGENIC STORAGE

Vessel Model	Box Size (mm)	Boxes Per Rack	Racks Per Freezer	Part Number	Total Racks Per Freezer
YDD-1800-610	133 x 133	15	60	VC297/15SC	73
	76 x 76	15	13	VC298/15SC	
YDD-1500-610	133 x 133	13	54	TWK1SC	72
	76 x 76	13	18	TWK2SC	
YDD-1000-610	133 x 133	10	54	VC329/10SC	72
	76 x 76	10	18	VC330/10SC	
YDD-800-460	133 x 133	13	32	TWK1SC	36
	76 x 76	13	4	TWK2SC	
YDD-500-440	133 x 133	10	24	VC329/10SC	32
	76 x 76	10	8	VC330/10SC	
YDD-300-326	133 x 133	10	12	VC329/10SC	26
	76 x 76	10	14	VC330/10SC	

CHEST FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number
DW-86W100	2" (50MM)	7	9	CS90/7
	3" (75MM)	5	9	CS90/5
DW-86W420	2" (50MM)	10	12	CS93/10NL
	3" (75MM)	7	27	CS93/7NL
DW-150W200	2" (50MM)	10	12	CS93/10NL
	3" (75MM)	7	12	CS93/7NL

UPRIGHT FREEZER
FRONT/SIDE ACCESS RACKS FOR 3” (75MM) CRYOBOXES

Freezer Model	Shelf	Racks Per Shelf	Boxes Per Rack	Part Number		Total Racks Per Freezer
				Front Access Rack	Side Access Rack	
DW-86L578S	Shelf 1/2/3/4	4	15	BH115/3NMT	SOR463	16
DW-86L828BP	Shelf 1/2/3/4	6	15	BH115/3NMT	SOR463	24
DW-86L578	Shelf 1/2/3/4	4	15	BH115/3NMT	SOR463	16
DW-86L338	Shelf 1 & 3	3	12	AH039/3NMT	SOR197	12
	Shelf 2 & 4	3	12	AH506/3T	SOR197	
DW-86L490	Shelf 1 & 3	4	12	AH039/3NMT	SOR197	24
	Shelf 2 & 4	4	12	AH506/3T	SOR197	
DW-86L388A	Shelf 1/2/3/4	3	12	AH039/3NMT	SOR197	12
DW-86L728	Shelf 1/2/3/4	5	15	BH115/3NMT	SOR463	20
DW-86L828	Shelf 1/2/3/4	6	15	BH115/3NMT	SOR463	24
DW-86L388J	Shelf 1/2/3/4	3	12	AH039/3NMT	SOR197	12
DW-86L338J	Shelf 1 & 3	3	12	AH506/3T	SOR197	12
	Shelf 2 & 4	3	12	AH039/3NMT	SOR197	
DW-86L729	Shelf 1/2/3/4	5	15	BH115/3NMT	SOR463	20
DW-86L959	Shelf 1/2/3/4	7	15	BH115/3NMT	SOR463	28
DW-86L828J	Shelf 1/2/3/4	6	15	BH115/3NMT	SOR463	24
DW-86L728J	Shelf 1/2/3/4	5	15	BH115/3NMT	SOR463	20
DW-86L628	Shelf 1/2/3/4	5	12	AH039/3NMT	SOR197	20
DW-86L578J	Shelf 1/2/3/4	4	15	BH115/3NMT	SOR463	16
DW-86L486	Shelf 1/2/3/4	4	12	AH039/3NMT	SOR197	16
DW-86L490J	Shelf 1 & 2	5	12	AH506/3T	SOR197	20
	Shelf 3 & 4	5	12	AH039/3NMT	SOR197	



BH115/5NMT Horizontal cold store with trays

BH115/3NMT Horizontal cold store with trays

Side access rack SOR462

VWR

The following tables show the part numbers of racking to fill various VWR upright and chest freezers, all racks are to hold boxes with a maximum footprint of 133mm x 133mm. All front access racks come complete with trays which feature handgrips.

UPRIGHT FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
368L	2" (50MM)	20	16	AH121/5NMT	SOR401
	3" (75MM)	9	16	AH121/3NMT	SOR171
	4" (100MM)	6	16	AH121/2NMT	SOR506
490L	2" (50MM)	20	16	AH039/5NMT	SOR032
	3" (75MM)	12	16	AH039/3NMT	SOR197
	4" (100MM)	8	16	AH039/2NMT	SOR506
651L	2" (50MM)	20	20	AH039/5NMT	SOR032
	3" (75MM)	12	20	AH039/3NMT	SOR197
	4" (100MM)	8	20	AH039/2NMT	SOR506
793L	2" (50MM)	20	24	BH115/5NMT	SOR462
	3" (75MM)	12	24	BH115/3NMT	SOR463
	4" (100MM)	8	24	BH115/2NMT	SOR512

CHEST FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number
360L	2" (50MM)	12	21	VCS86/12
	3" (75MM)	7	21	VCS86/7
566L	2" (50MM)	12	33	VCS86/12
	3" (75MM)	7	33	VCS86/7

BINDER

The following table shows the part numbers of racking to fill various Binder upright freezers, all racks are to hold boxes with a maximum footprint of 133mm x 133mm. All front access racks come complete with trays which feature handgrips.

UPRIGHT FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
UFV300	2" (50MM)	20	12	AH039/5NMT	SOR032
	3" (75MM)	12	12	AH039/3NMT	SOR197
	4" (100MM)	8	12	AH039/2NMT	SOR506
UFV500	2" (50MM)	20	16	AH039/5NMT	SOR032
	3" (75MM)	12	16	AH039/3NMT	SOR197
	4" (100MM)	8	16	AH039/2NMT	SOR506
UFV700	2" (50MM)	20	24	AH039/5NMT	SOR032
	3" (75MM)	12	24	AH039/3NMT	SOR197
	4" (100MM)	8	24	AH039/2NMT	SOR506

FISHER

The following tables show the part numbers of racking to fill various Fisher upright and chest freezers, all racks are to hold boxes with a maximum footprint of 133mm x 133mm. All front access racks come complete with trays which feature handgrips.

UPRIGHT FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
Isotemp 368L	2" (50MM)	20	16	AH121/5NMT	SOR401
	3" (75MM)	9	16	AH121/3NMT	SOR171
	4" (100MM)	6	16	AH121/2NMT	SOR506
Isotemp 490L	2" (50MM)	20	16	AH039/5NMT	SOR032
	3" (75MM)	12	16	AH039/3NMT	SOR197
	4" (100MM)	8	16	AH039/2NMT	SOR506
Isotemp 651L	2" (50MM)	20	20	AH039/5NMT	SOR032
	3" (75MM)	12	20	AH039/3NMT	SOR197
	4" (100MM)	8	20	AH039/2NMT	SOR506
Isotemp 793L	2" (50MM)	20	24	BH115/5NMT	SOR462
	3" (75MM)	12	24	BH115/3NMT	SOR463
	4" (100MM)	8	24	BH115/2NMT	SOR512

CHEST FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number
Isotemp 85L	2" (50MM)	7	9	CS90/7
	3" (75MM)	5	9	CS90/5
Isotemp 360L	2" (50MM)	12	21	VCS86/12
	3" (75MM)	7	21	VCS86/7
Isotemp 566L	2" (50MM)	12	33	VCS86/12
	3" (75MM)	7	33	VCS86/7

GRAM

The following table shows the part numbers of racking to fill various Gram upright freezers, all racks are to hold boxes with a maximum footprint of 133mm x 133mm. All front access racks come complete with trays which feature handgrips.

UPRIGHT FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
UL570	2" (50MM)	16	24	AH506/4T	SOR196
	3" (75MM)	12	24	AH506/3T	SOR197
	4" (100MM)	8	24	AH506/2T	SOR198

FROILABO

The following tables show the part numbers of racking to fill various Froilabo upright and chest freezers, all racks are to hold boxes with a maximum footprint of 133mm x 133mm. All front access racks come complete with trays which feature handgrips.

UPRIGHT FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
BM/BMS/BMT 175	2" (50MM)	20	8	AH121/5NMT	SOR401
	3" (75MM)	9	8	AH121/3NMT	SOR171
	4" (100MM)	6	8	AH121/2NMT	SOR511
BM/BMS/BMT 340	2" (50MM)	30	8	BH207/6NMT	SOR415
	3" (75MM)	20	8	BH207/4NMT	SOR490
	4" (100MM)	15	8	BH207/3NMT	SOR513
BM/BMS/BMT 515	2" (50MM)	30	12	BH207/6NMT	SOR415
	3" (75MM)	20	12	BH207/4NMT	SOR490
	4" (100MM)	15	12	BH207/3NMT	SOR513
BM/BMS/BMT 690	2" (50MM)	30	16	BH207/6NMT	SOR415
	3" (75MM)	20	16	BH207/4NMT	SOR490
	4" (100MM)	15	16	BH207/3NMT	SOR513
BM/BMS/BMT 1000	2" (50MM)	30	24	BH207/6NMT	SOR415
	3" (75MM)	20	24	BH207/4NMT	SOR490
	4" (100MM)	15	24	BH207/3NMT	SOR513

CHEST FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number
BMH 340	2" (50MM)	13	20	TWK1
	3" (75MM)	9	20	TWK1/9
BMH 515	2" (50MM)	13	28	TWK1
	3" (75MM)	9	28	TWK1/9
BMH 690	2" (50MM)	13	40	TWK1
	3" (75MM)	9	40	TWK1/9
BMH 1000	2" (50MM)	13	60	TWK1
	3" (75MM)	9	60	TWK1/9

LABCOLD

The following table shows the part numbers of racking to fill various Labcold upright freezers, all racks are to hold boxes with a maximum footprint of 133mm x 133mm. All front access racks come complete with trays which feature handgrips.

UPRIGHT FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
LULT80100	2" (50MM)	12	6	BH269/4T	SOR514
	3" (75MM)	9	6	BH269/3T	SOR515
	4" (100MM)	6	6	BH269/2T	SOR516
LULT0400U	2" (50MM)	15	16	AH121/5NMT	SOR401
	3" (75MM)	9	16	AH121/3NMT	SOR171
	4" (100MM)	6	16	AH121/2NMT	SOR511
LUT0500U	2" (50MM)	20	16	AH039/5NMT	SOR032
	3" (75MM)	9	16	AH039/3NMT	SOR175
	4" (100MM)	6	16	AH948/2NMT	SOR510

SO-LOW

The following page shows the part numbers of racking to fill various So-Low upright and chest freezers, all racks are to hold boxes with a maximum footprint of 133mm x 133mm. All front access racks come complete with trays which feature handgrips.

UPRIGHT FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
U85-13/ NU85-13	2" (50MM)	12	15	AH122/4NMT	SOR477
	3" (75MM)	9	15	AH122/3NMT	SOR478
U85-18/ NU85-18	2" (50MM)	16	20	AH506/4T	SOR196
	3" (75MM)	12	20	AH506/3T	SOR197
U85-22/ NU85-22	2" (50MM)	16	25	AH506/4T	SOR196
	3" (75MM)	12	25	AH506/3T	SOR197
U85-25/ NU85-25	2" (50MM)	16	30	AH506/4T	SOR196
	3" (75MM)	12	30	AH506/3T	SOR197
U80-28/ NU80-28	2" (50MM)	16	30	AH506/4T	SOR196
	3" (75MM)	12	30	AH506/3T	SOR197
U80-30/ NU80-30	2" (50MM)	16	35	AH506/4T	SOR196
	3" (75MM)	12	35	AH506/3T	SOR197
U80-30D	2" (50MM)	16	35	AH506/4T	SOR196
	3" (75MM)	12	35	AH506/3T	SOR197

CHEST FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number
CB85-3/ NC85-3	2" (50MM)	7	8	CS90/7
	3" (75MM)	5	8	CS90/5
CB85-9/ NC85-9	2" (50MM)	8	16	CS91/8
	3" (75MM)	5	16	CS91/5
CB85-12/ NC85-12	2" (50MM)	8	27	CS91/8
	3" (75MM)	5	27	CS91/5
CB85-14/ NC85-14	2" (50MM)	8	33	CS91/8
	3" (75MM)	5	33	CS91/5
CB85-17/ NC85-17	2" (50MM)	8	36	CS91/8
	3" (75MM)	5	36	CS91/5
CB85-22/ NC85-22	2" (50MM)	13	36	TWK1
	3" (75MM)	9	36	TWK1/9
CB80-27/ NC80-27	2" (50MM)	13	48	TWK1
	3" (75MM)	9	48	TWK1/9



AH506/4T Horizontal cold store with trays

AH506/2DR Horizontal drawer system

Side access rack **SOR196**

NUAIRE

The following page shows the part numbers of racking to fill various Nuaire upright freezers, all racks are to hold boxes with a maximum footprint of 133mm x 133mm. All front access racks come complete with trays which feature handgrips.

UPRIGHT FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
NU-9334	2" (50mm)	20	12	AH039/5NMT	SOR032
	3" (75MM)	12	12	AH039/3NMT	SOR197
	4" (100MM)	8	12	AH039/2NMT	SOR506
NU-9483	2" (50MM)	20	16	AH039/5NMT	SOR032
	3" (75MM)	12	16	AH039/3NMT	SOR197
	4" (100MM)	8	16	AH039/2NMT	SOR506
NU-9668	2" (50MM)	20	24	AH039/5NMT	SOR032
	3" (75MM)	12	24	AH039/3NMT	SOR197
	4" (100MM)	8	24	AH039/2NMT	SOR506
NU-9728	2" (50MM)	20	24	AH039/5NMT	SOR032
	3" (75MM)	9	24	AH039/3NMT	SOR197
	4" (100MM)	6	24	AH039/2NMT	SOR506
NU-99338	2" (50MM)	16	12	AH506/4T	SOR196
	3" (75MM)	12	12	AH506/3T	SOR197
	4" (100MM)	8	12	AH506/2T	SOR198
NU-99486	2" (50MM)	20	16	AH039/5NMT	SOR032
	3" (75MM)	12	16	AH039/3NMT	SOR197
	4" (100MM)	8	16	AH039/2NMT	SOR506
NU-99578	2" (50MM)	25	16	BH115/5NMT	SOR462
	3" (75MM)	15	16	BH115/3NMT	SOR463
	4" (100MM)	10	16	BH115/2NMT	SOR512
NU-99728	2" (50MM)	25	20	BH115/5NMT	SOR462
	3" (75MM)	15	20	BH115/3NMT	SOR463
	4" (100MM)	10	20	BH115/2NMT	SOR512
NU-99828	2" (50MM)	25	24	BH115/5NMT	SOR462
	3" (75MM)	15	24	BH115/3NMT	SOR463
	4" (100MM)	10	24	BH115/2NMT	SOR512

FASTER

The following page shows the part numbers of racking to fill various FASTER upright and chest freezers, all racks are to hold boxes with a maximum footprint of 133mm x 133mm. All front access racks come complete with trays which feature handgrips.

UPRIGHT FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
ColdFAST 230U	2" (50MM)	20	16	BH254/6T	SOR507
	3" (75MM)	9	16	BH254/4T	SOR508
	4" (100MM)	6	16	BH254/3T	SOR509
ColdFAST 400U	2" (50MM)	20	16	AH121/5NMT	SOR401
	3" (75MM)	9	16	AH121/3NMT	SOR171
	4" (100MM)	6	16	AH121/2NMT	SOR511
ColdFAST 500U	2" (50MM)	20	16	AH039/5NMT	SOR032
	3" (75MM)	9	16	AH039/3NMT	SOR175
	4" (100MM)	6	16	AH948/2NMT	SOR510
ColdFAST 650U	2" (50MM)	20	20	AH039/5NMT	SOR032
	3" (75MM)	9	20	AH039/3NMT	SOR175
	4" (100MM)	6	20	AH039/2NMT	SOR510

CHEST FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number
ColdFAST 230C	2" (50MM)	8	20	VC006/8
	3" (75MM)	6	20	VC006/6
	4" (100MM)	4	20	VC006/4
ColdFAST 400C	2" (50MM)	8	36	VC006/8
	3" (75MM)	6	36	VC006/6
	4" (100MM)	4	36	VC006/4
ColdFAST 500C	2" (50MM)	11	36	VCS68/11
	3" (75MM)	7	36	VCS68/7
	4" (100MM)	5	36	VCS68/5

NUVE

The following page shows the part numbers of racking to fill various Nuve upright freezers, all racks are to hold boxes with a maximum footprint of 133mm x 133mm. All front access racks come complete with trays which feature handgrips.

UPRIGHT FREEZERS

Freezer Model	Box Size	Boxes Per Rack	Racks Per Freezer	Part Number (Front Access Rack)	Part Number (Side Access Rack)
DF290	2" (50MM)	20	9	AH039/5NMT	SOR032
	3" (75MM)	12	9	AH039/3NMT	SOR197
	4" (100MM)	8	9	AH039/2NMT	SOR506
DF490	2" (50MM)	20	16	AH039/5NMT	SOR032
	3" (75MM)	12	16	AH039/3NMT	SOR197
	4" (100MM)	8	16	AH039/2NMT	SOR506
DF590	2" (50MM)	25	16	BH115/5NMT	SOR462
	3" (75MM)	15	16	BH115/3NMT	SOR463
	4" (100MM)	10	16	BH115/2NMT	SOR512

NEED BESPOKE RACKING?

Should you require a bespoke rack for your freezer, We are able to design and manufacture any rack to meet your specification. We can offer custom racking for microtiter plates, deep well plates and cryoboxes of any size. We will work with you by gathering dimensions and requirements, allowing us to create custom racking that will maximise the use of your freezer, based on your specific needs.

CRYOGENIC REFERENCE GUIDES

On the following page is a comprehensive range of products for Statebourne Cryogenics, CBS, Worthington / Taylor-Wharton and Chart MVE cryogenic vessels. All racks are supplied with spring clips to hold the boxes in place, items are available in aluminium or stainless steel, see website for prices and ordering.

STATEBOURNE CRYOGENICS

The following table shows the part numbers of racking to fill various Statebourne cryogenic vessels, all racks are to hold 2 inch cryoboxes.

Freezer	Box Size (mm)	Number of Racks	Boxes Per Rack	Part Number	Total Racks Per Freezer
Biosystem Access 12 / Biostor 12	133 x 133	9	12	TW02SC	14
	76 x 76	5	12	VC328/12SC	
Biosystem Access 24 / Biostor 24	133 x 133	17	13	TWK1SC	23
	76 x 76	6	13	TWK2SC	
Biosystem Archive 36	133 x 133	34	11	TWK1VPSC	11
	76 x 76	0			
Biosystem Archive 55	133 x 133	58	10	VC329/10SC	58
	76 x 76	0			
Biosystem Archive 80	133 x 133	58	13	TWK1SC	70
	76 x 76	12	13	TWK2SC	
Biosystem Archive 100	133 x 133	58	15	VC297/15SC	70
	76 x 76	12	15	VC298/15SC	

CBS

The following table shows the part numbers of racking to fill various CBS cryogenic vessels, all racks are to hold 2 inch cryoboxes.

Freezer	Box Size (mm)	Number of Racks	Boxes Per Rack	Part Number	Total Racks Per Freezer
V-1500AB	133 x 133	7	13	TWK1SC	7
V-3000AB	133 x 133	17	13	TWK1SC	17
V-3000EH-AB	133 x 133	17	15	VC297/15SC	17
V-5000EH-AB	133 x 133	31	15	VC297/15SC	31
V-5000AB	133 x 133	31	13	TWK1SC	31
V-3000AB-C	133 x 133	14	12	VC065/12SC	14
V-3000EHAB-C	133 x 133	14	15	VC297/15SC	14
V-5000AB-C	133 x 133	28	13	TWK1SC	28
V-5000EHAB-C	133 x 133	30	15	VC297/15SC	30
S-1500AB	133 x 133	7	13	TWK1SC	7
S-3000AB	133 x 133	17	13	TWK1SC	17
S-5000AB	133 x 133	31	13	TWK1SC	17
S-5000EH-AB	133 x 133	31	15	VC297/15SC	31
S-3000EH-AB	133 x 133	31	15	VC297/15SC	31

WORTHINGTON (TAYLOR-WHARTON)

The following table shows the part numbers of racking to fill various Worthington cryogenic vessels, all racks are to hold 2 inch cryoboxes.

Freezer	Box Size (mm)	Number of Racks	Boxes Per Rack	Part Number	Total Racks Per Freezer
10K	133 x 133	7	13	TWK1SC	11
	76 x 76	4	13	TWK2SC	
24K	133 x 133	17	13	TWK1SC	23
	76 x 76	6	13	TWK2SC	
38K	133 x 133	28	13	TWK1SC	34
	76 x 76	6	13	TWK2SC	
LABS20K	133 x 133	14	13	TWK1SC	18
	76 x 76	4	13	TWK2SC	
LABS38K	133 x 133	26	13	TWK1SC	38
	76 x 76	12	13	TWK2SC	
LABS40K	133 x 133	30	13	TWK1SC	38
	76 x 76	8	13	TWK2SC	
LABS80K	133 x 133	58	13	TWK1SC	70
	76 x 76	12	13	TWK2SC	
LABS94K	133 x 133	60	15	VC297/15SC	72
	76 x 76	12	15	VC298/15SC	

CHART MVE

The following table shows the part numbers of racking to fill various Chart MVE cryogenic vessels, all racks are to hold 2 inch cryoboxes.

Freezer	Box Size (mm)	Number of Racks	Boxes Per Rack	Part Number	Total Racks Per Freezer
MVE 205	133 x 133	4	13	TWK1SC	4
	67 x 67	0			
MVE 510	133 x 133	7	13	TWK1SC	11
	67 x 67	4	13	VC441/13SC	
MVE 616	133 x 133	12	13	TWK1SC	16
	67 x 67	4	13	VC441/13SC	
MVE 815	133 x 133	12	12	TW02SC	16
	67 x 67	4	12	VC442/12SC	
MVE 818	133 x 133	12	14	VC419/14SC	16
	67 x 67	4	14	VC443/14SC	
MVE 819	133 x 133	12	15	VC297/15SC	16
	67 x 67	4	15	VC444/15SC	
MVE 1426	133 x 133	18	13	TWK1SC	28
	67 x 67	10	13	VC441/13SC	
MVE 1536P	133 x 133	24	13	TWK1SC	40
	67 x 67	16	13	VC441/13SC	
MVE 1539P	133 x 133	24	14	VC419/14SC	40
	67 x 67	16	14	VC443/14SC	
MVE 1542R	133 x 133	26	14	VC419/14SC	42
	67 x 67	16	14	VC443/14SC	
MVE 1839	133 x 133	28	13	TWK1SC	36
	67 x 67	8	13	VC441/13SC	
MVE 1879P	133 x 133	54	13	TWK1SC	84
	67 x 67	30	13	VC441/13SC	
MVE 1881R	133 x 133	60	13	TWK1SC	72
	67 x 67	12	13	VC441/13SC	
MVE 1892	133 x 133	54	15	VC297/15SC	84
	67 x 67	30	15	VC444/15SC	
MVE 1894	133 x 133	60	15	VC297/15SC	72
	67 x 67	12	15	VC444/15SC	