STATEBOURNE cryogenics

Biorack Series

- High Thermal Efficiency
- 5 Year Vacuum Warranty
- Cryobox Storage
- Goblet Storage
- Straw Storage
- 5ml Tubes
- Falcon Tubes
- 96 Well Plates
- Blood Bags
- Cord Blood Storage
- Cane Storage
- Liquid or Vapour
- MDD 93/42/EEC Compliant
- Suitable for IVF Samples
- Durability
- Data Logging
- Auto Fill
- Lockable Lid
- Vial Storage

Cryogenic innovation & technology you can trust....

Biorack Series

The Biorack series of refrigerators provide highly efficient storage of bulk quantities of cryovials
Racking systems housed within these ultra-low loss cryogenic refrigerators enable users to store large quantities of Biomedical material over long periods of time, safe in the knowledge that storage temperatures even in the vapour phase, will be below-190°C

Advanced super insulation and ultra high vacuum techniques allow storage times between refills of up to 6 months

The Biorack Series are available in four sizes, with 750, 3000, 4800 and 6000 x 2ml Cryovial capacities
All Bioracks are supplied complete with racks and polycarbonate cryoboxes

Temperature Logger Alarm Unit

Part Number 9701321

Providing continuous dependable monitoring of the temperature within the refrigerator, the CryoGuard data logger is the ideal choice for users who want to record sample temperature over long periods

The unit has a 3 way audible alarm for:

- Low LN2 Level
- High temperature
- Low battery power

Cryoguard

All Biorack Series units are available with an optional Cryoguard low level alarm, this fitted together with an alarm plug can be calibrated for both Liquid and Vapour phase low level alarm. *(Alarm plugs supplied Free when the Biorack and Alarm is ordered together.)*

Part Number 8602622

Product Features

- 5 YEAR VACUUM WARRANTY
- 4 models from 750 to 6000 cryovial capacity
- Durable aluminium construction
- Space saving for storage of IVF samples
- Ultra-low evaporative losses
- Compatible with all major cryobox brands
- Heavy duty lockable enclosure offers excellent security
- Liquid or vapour phase option available
- Temperature data-logging device available
- Storage of 96 well plates,straws,5ml tubes, blood bags, canes and cord blood bags

CE
93/42/EC

Technical Data

MODEL	Biorack 750 *	Biorack 3000	Biorack 4800	Biorack 6000
PART NUMBER	9902132	9902149	9902154	9902144
	INCLUDES 5 RACKS & 30 5X5 CRYOBOXES	INCLUDES 6 RACKS & 30 10X10 CRYOBOXES	INCLUDES 6 RACKS & 48 10X10 CRYOBOXES	INCLUDES 6 RACKS & 60 10X10 CRYOBOXES
LN2 Capacity (litres) liquid phase	35	85	131	160
LN2 Capacity (litres) vapour phase	14	25	25	25
Evaporation Rate (litres/day)	0.30	0.63	0.63	0.63
Static Holding Time (days)	117[1]	135[1]	208[1]	254[1]
Weight Empty (Kg)	19	42	46	64
Weight Full (kg)	47	110	152	193
Neck diameter (mm)	120	216	216	216
Overall Height (mm)	747	738	913	1027
Overall Diameter (mm)	480	646	646	648
Total 2ml Cryovial Capacity	750	3000	4800	6000
Cryobox Format	5x5	10x10	10x10	10x10
Roller Base Part Number	9902112	9902147	9902147	9902147
Cryoguard mains and battery Part Number	8602622	8602622	8602622	8602622
Cryogaurd with internal datalogger & temprature display Part Number	9701321	9701321	9701321	9701321

Note: [1]Working times will vary according to container usage
*The Autofill option is not available for the BioRack 750
Add 99mm to the height if you include a roller base

Autofill with Cryostor option

The Autofill accessory option is particularly useful for the long-term storage of samples within vapour phase environments

The system works by continuously monitoring the LN2 within the Biorack and topping up the unit when natural evaporation causes the level to fall below a safe set-point, vital for the long term viability of the material being stored

This method is less economical in terms of LN2 consumption but provides the user with the ability to finely control the level within the unit over extended periods of up to 8 weeks between supply reservoir refills

Please note that the Autofill is designed to be used with the Cryostor Series and is available for the 3000,4800 and the 6000.

Liquid & Vapour Storage

Biorack range Liquid phase

If space is at a premium look at the Biorack range. The Bioracks can hold up to 72 Goblets (65mm) with a loss rate of less than 1 litre per day, making Bioracks a good space saving option for expanding laboratories
The Bioracks can also store 2ml cryovials, and racks can be mixed to make the best use of a vessel

Biorack range vapour phase

Bioracks can store samples in vapour phase with a storage temperature of -185°C, and the Biorack design enables samples to have a built in reservoir of LN2.
The Biorack 3,000 stores all goblets at one level, so there is no removal of any samples to access goblets at lower levels so excellent for Embryo storage. The Biorack 4800 can store cassettes in vapour phase, as well as 48 goblets, and the Biorack 6,000 can store up to 72 goblets (65mm).

For vapour phase storage it is recommended that a low level alarm is fitted

Features

Autofill & Alarms

Biorack Autofill and Cryostor option (see next page) connected to Data logger low level alarm and autodialler.

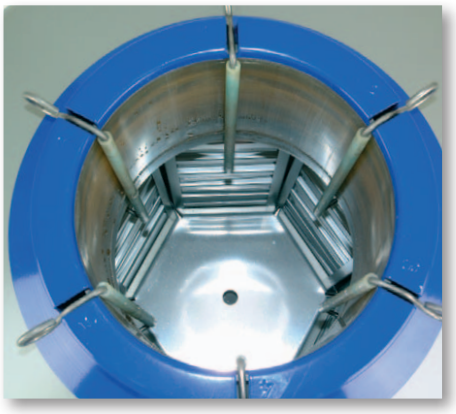
Easy withdrawal

Quick,easy storage and withdrawal of racks, combined with exceptional holding times make the Biorack Series a leading choice

Roller Base

All Biorack models have a roller base option for easy manoeuvrability

Quick easy storage



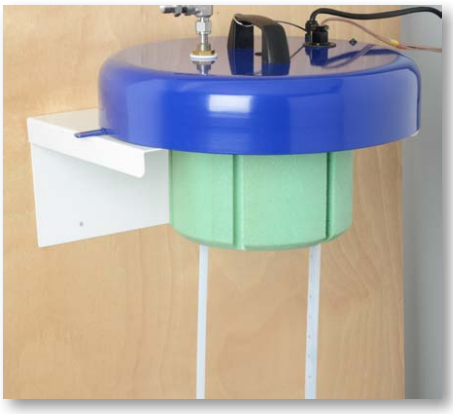
All Biorack series feature extra-wide openings for easy sample storage, access and retrieval

Alarm plug and standard neck plug WALL RACK

Biorack alarm plug and standard neck plug rack, fits easily onto wall and stops any damage to sensors whilst accessing samples.

Biorack 3000-4800-6000 Part No. 6401169

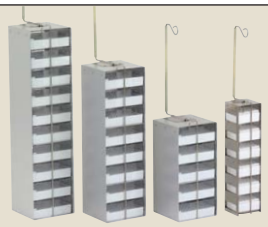
Biorack 750 Part No. 6401238



In the interest of our continued product improvement, Statebourne reserve the right to amend the specification of our products.

Individual rack storage part numbers

2 ML Cryovials

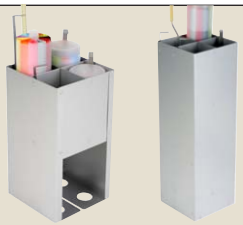


Biorack 750	Biorack 3000	Biorack 4800	Biorack 6000
5801564	5801250	5801525	5801236

5 ML Cryovials

Biorack 750	Biorack 3000	Biorack 4800	Biorack 6000
N/A	5801428	5801527	5801426

Goblet Straw Storage Rack



Biorack 750	Biorack 3000	Biorack 4800	Biorack 6000
N/A	5801639	5801725	5801723

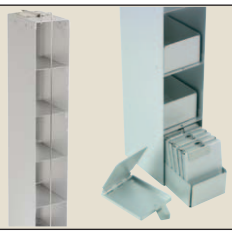
50 MI FALCON TUBES

Biorack 750	Biorack 3000	Biorack 4800	Biorack 6000
N/A	5801581	5801682	5801681

96 Well Plates (127x85x52)

Biorack 750	Biorack 3000	Biorack 4800	Biorack 6000
N/A	5801628	5801727	5801729

25ML Cord Blood Bags



Biorack 750	Biorack 3000	Biorack 4800	Biorack 6000
N/A	5801555	5801554	5801553

Blood Bags

Biorack 750	Biorack 3000	Biorack 4800	Biorack 6000
N/A	N/A	5801566	5801487

Cane Storage

Canes with sleeves = 15mm diameter

Biorack 750	Biorack 3000	Biorack 4800	Biorack 6000
N/A	5801730	5801731	N/A

Biorack Series

Sample Storage Capacities

MODEL		Biorack 750	Biorack 3000	Biorack 4800	Biorack 6000
2ml CRYOVIALS	L	750	3000	4800	6000
	V	500	1800	3600	4800
PART NUMBER		9902132	9902149	9902154	9902144
5ml CRYOVIALS	L	N/A	972	1944	2430
	V	N/A	486	1458	1944
PART NUMBER		N/A	9902149-5ml	9902154-5ml	9902144-5ml
0.25cc STRAWS	L	N/A	19680	59040	78720
	V	N/A	19680	39360	59040
PART NUMBER		N/A	9902149-G	9902154-G	9902144-G
0.5cc STRAWS	L	N/A	8760	26280	35040
	V	N/A	8760	17520	26280
PART NUMBER		N/A	9902149-G	9902154-G	9902144-G
*BLOOD BAGS	L	N/A	N/A	**60	**96
	V	N/A	N/A	**36	**72
PART NUMBER		N/A	9902149-BB	9902154-BB	9902144-BB
Pall 25mm CORD BLOOD BAGS	L	N/A	***120	***240	***300
	V	N/A	***120	***180	***240
PART NUMBER		N/A	9902149-CB	9902154-CB	9902144-CB
50ml FALCON TUBES	L	N/A	108	On Request.	On Request.
	V	N/A	108	On Request.	On Request.
PART NUMBER		N/A	9902149-50MLF	9902154-50MLF	9902144-50MLF
CANE STORAGE For 285mm canes inside 15mm plastic sleeves	L	N/A	480	480	N/A
	V	N/A	480	480	N/A
PART NUMBER		N/A	9902149-15C	9902154-15C	N/A

* Based on bag size of 222mm x 130mm ** Dependent on volume of contents *** Based on cassette size 81mmH x 95mmW x 12mmD

V Vapour phase

Liquid phase L

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