

Bio Series Dewars



The Bio Series of refrigerators provide two lines for storage of biological material, with high capacity or extended hold time variants.

Features:

- ◆ 11 models, from 2 litres to 36 litres capacity
- ◆ Strong, lightweight, aluminium construction
- ◆ High thermal efficiency, ultra-low evaporative losses
- ◆ Numbered index location points for canisters
- ◆ Heavy-duty lockable enclosures offer excellent security
- ◆ Straw storage
- ◆ 1.2ml, 2ml, or 5ml cryovials held on canes
- ◆ Roller bases and level alarms
- ◆ 5 year vacuum warranty

Extended Hold-Time Models

With narrower neck openings for outstanding thermal efficiency, the extended hold time models offer long term storage possibilities with minimal LN2 consumption. All Extended hold time units have a narrower neck opening for outstanding thermal efficiency.

High Capacity Models

These units allow the storage of large quantities of biological material while still offering excellent holding times. All high-capacity units have wider neck openings for easy access.

All Bio Series containers are designed and manufactured in our purpose-built ISO 9001 accredited facility using the very latest CAD technology. Advanced super-insulation and ultra-high vacuum techniques allow incredibly long holding times.

Canister-equipped Refrigerators

Included with every Bio Series container are internal storage canisters suitable for the storage of biological material in cryovials on canes or straws in goblets.



Extended Hold Time Models Technical Data

Model	Bio 2	Bio 3	Bio 8	Bio 10	Bio 20	Bio 35
Part Number	AGB7537	AGB7570	AGB7571	AGB7572	AGB7574	AGB7577
LN2 Capacity (litres)	2	3	8	10	20	35
Evaporation Rate(litres/day)	0.08	0.11	0.10	0.10	0.10	0.10
Static Holding Time (days)	25	27	80	100	200	350
*Field Working Time (days)	16	17	50	63	125	217
Weight - empty (kg)	3	4.3	8.6	7.9	11.1	18.6
Weight - full (kg)	4.6	6.7	15.1	16	27.3	46.9
Neck Diameter (mm)	32	51	51	51	51	51
Overall Height (mm)	390	464	475	640	640	730
Overall Diameter (mm)	185	216	407	305	407	480
Number of Canisters	3	6	6	6	6	6
Canister Dimensions D (mm)	25	38	38	38**	38**	38**
Canister Dimensions H (mm)	185	216	407	305	407	480
2ml Vial Capacity	NA	NA	NA	180	180	180
Straw Capacity (0.25cc)	120	120	120	275	275	275
Straw Capacity (0.5cc)	120	500	500	1000	1000	1000

* Field working time is a calculated value, this may vary according to container usage.

** 38 x 120mm canisters are also available for this model.



Extended Hold Time Models Technical Data

Model	Bio 12	Bio 21	Bio 22	Bio 34	Bio 36
Part Number	AGB7537	AGB7570	AGB7571	AGB7572	AGB7574
LN2 Capacity (litres)	12	21	21	34	35
Evaporation Rate(litres/day)	0.19	0.19	0.28	0.18	0.30
Static Holding Time (days)	63	110	75	189	117
Field Working Time (days)	39	69	41	118	75
Weight - empty (kg)	10.8	15.6	15.7	17.8	19.1
Weight - full (kg)	20.4	32.6	32.7	45.3	47.4
Neck Diameter (mm)	70	89	120	89	120
Overall Height (mm)	470	579	537	710	710
Overall Diameter (mm)	408	480	480	480	480
Number of Canisters	9	6	10	6	10
Canister Dimensions D (mm)	46	68	73	69	73
Canister Dimensions H (mm)	120	120	120	275	275
2ml Vial Capacity	NA	NA	NA	684	1020
Straw Capacity (0.25cc)	4680	4290	8200	9840	16400
Straw Capacity (0.5cc)	2200	2300	3800	4200	7800

* Field working time is a calculated value, this may vary according to container usage.

** 38 x 120mm canisters are also available for this model.

