



ES-YDS-Series

Liquid Nitrogen Containers



LABORATORY



Features

- Durable aluminium structure;
- Matching freezing shelves and freezing boxes;
- Large capacity and low liquid nitrogen consumption;
- Optional safety lock cover structure to prevent others from unlocking without authorization;
- Optional liquid level monitoring system;
- Optional transport vehicle;
- EU CE certification;
- Five-year vacuum quality assurance.

Description

Designed for long-term storage, it is easy to take and place samples; The marked freezing shelves and freezing boxes are convenient for quickly and effectively finding the required samples; It can be equipped with liquid level monitor to monitor the liquid level height in real time and send out low level sound and light alarm.

Provide advanced intelligent bottle stoppers to protect irreplaceable biological samples. When the liquid nitrogen page is low, it will be alerted by Wechat alarm in time.



Specification

MODEL	ES-YDS-10-125-F	ES-YDS-30-125-F	ES-YDS-35-125-F	ES-YDS-47-127-6Y	ES-YDS-50B-125-F	
Performance						
LN2 Capacity (L)	10	31.5	35.5	47	50	
Weight Empty (kg)	6.3	13	14.6	18.2	17.3	
Neck Opening (mm)	125	125	125	127	125	
Outer Diameter (mm)	300	462	462	508	462	
Overall Height (mm)	554	704	748	718	818	
Static Evaporation Rate (L/day)	0.42	0.35	0.36	0.36	0.45	
Static Holding Time (day)	24	90	97	130	110	
Maximum Storage Capacity						
Racks	Number of Racks (ea)	1	6/7	6/7	6/7	6/7
	Rack Dimension (mm)	82 × 84	82 × 84	82 × 84	105 × 100	82 × 84
2ml Freezing Tube	Vial Boxes Dimension (mm)	76 × 76	76 × 76	76 × 76	98	76 × 76
	Boxes per Rack (ea)	4	4	5	5	6
	1.2, 1.8 & 2 ml Vials (Internally Threaded)	100	600/700	750/875	1110/1295	900/1050
Racks 5ml Freezing Tube	Number of Racks (ea)	—	—	—	—	—
	Rack Dimension (mm)	—	—	—	—	—
	Vial Boxes Dimension (mm)	—	—	—	—	—
	Boxes per Rack (ea)	—	—	—	—	—
	1.2, 1.8 & 2 ml Vials (Internally Threaded)	—	—	—	—	—
Optional Accessories						
Lockable Lid	✓	✓	✓	✓	✓	
PU Bag	—	✓	✓	—	✓	
SmartCap	✓	✓	✓	✓	✓	
Roller Base	—	✓	✓	✓	✓	



Specification

MODEL	ES-YD5-65-216-F	ES-YD5-95-216-F	ES-YD5-115-216-F	ES-YDS-145-216-F	ES-YD5-175-216-F
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Performance					
LN2 Capacity (L)	65	95	115	145	175
Weight Empty (kg)	38.3	41.3	42.3	48.9	53.8
Neck Opening (mm)	216	216	216	216	216
Outer Diameter (mm)	681	681	681	681	681
Overall Height (mm)	712	774	846	946	1060
Static Evaporation Rate (L/day)	0.78	0.97	0.94	0.96	0.95
Static Holding Time (day)	83	98	122	151	184

Maximum Storage Capacity						
Racks	Number of Racks (ea)	6/7	6/7	6/7	6/7	6/7
	Rack Dimension (mm)	142 × 144	142 × 144	142 × 144	142 × 144	142 × 144
2ml Freezing Tube	Vial Boxes Dimension (mm)	134 × 134	134 × 134	134 × 134	134 × 134	134 × 134
	Boxes per Rack (ea)	4	5	6	8	10
	1.2, 1.8 & 2 ml Vials (Internally Threaded)	2400/2800	3000/3500	3600/4200	4800/5600	6000/7000
Racks	Number of Racks (ea)	6/7	6/7	6/7	6/7	6/7
	Rack Dimension (mm)	142 × 144	142 × 144	142 × 144	142 × 144	142 × 144
	Vial Boxes Dimension (mm)	134 × 134	134 × 134	134 × 134	134 × 134	134 × 134
	Boxes per Rack (ea)	2	2	3	4	5
5ml Freezing Tube	1.2, 1.8 & 2 ml Vials (Internally Threaded)	972/1134	972/1134	1458/1701	1944/2268	2430/2835

Optional Accessories					
Lockable Lid	✓	✓	✓	✓	✓
PU Bag	—	—	—	—	—
SmartCap	✓	✓	✓	✓	✓
Roller Base	✓	✓	✓	✓	✓