

# Cryogenic Containers

## Models: YDS Serie Liquid Nitrogen Biological Container for Storage

The series products are of small capacity, which are designed for transferring or transporting biological samples stored by manual work, especially for the customers in the mountainous area, featuring portable, less static evaporation loss mass of liquid nitrogen & being economical in usage.

### Main Features:

- High-strength aluminum alloy structure.
- Encoding canisters, for easy recognition and convenient accessing of samples;
- Protecting jacket, portable and preventing collision;
- Protecting biological samples stored (except 30mm caliber);
- Multi-layer thermal isolation design.



### Specifications:

#### Small Capacity

Model	YDS-1-30	YDS-2-30	YDS-3	YDS-4	YDS-5	YDS-6	YDS-10	YDS-10-80	YDS-10-90	YDS-10A
Capacity (L)	1.0	2.0	3.15	4.0	5.0	6.0	10.0	10.0	10.0	10.0
Empty Weight (Kg)	2.0	2.9	3.4	4.0	4.9	5.0	6.2	6.5	6.7	6.5
Neck Diameter (mm)	30	30	50	50	50	50	50	80	90	50
Outer Diameter (mm)	180	217	224	224	287	287	303	303	303	287
Height (mm)	320	365	425	485	435	445	530	545	545	600
Atatic Evaporation Loss Mass (L/d)	0.06	0.06	0.10	0.10	0.09	0.10	0.10	0.18	0.18	0.09
Static Holding Time (d)	16	32	31	42	53	63	101	57	55	110
Canister Outer Diameter (mm)	26	19	38	38	38	38	38	63	70	38
Canister Height (mm)	120	120	120	120	120	120	120	120	120	120/276
Number of Canisters (n)	1	3	6	6	6	6	6	6	6	6
Straw Holding Capacity (0.5ml) (Single Level) (0.25ml)	60	90	792	792	792	792	792	2040	2244	792
Straw Holding Capacity (0.5ml) (Double Level) (0.5ml)	120	204	1788	1788	1788	1788	1788	4584	5022	1788
Number of Canes (n)	-	-	-	-	-	-	-	-	-	1284
Number of Vials (n)	-	-	-	-	-	-	-	-	-	2832
Number of Canes (n)	-	-	-	-	-	-	-	-	-	24
Number of Vials (n)	-	-	-	-	-	-	-	-	-	120

### Specifications:

#### Medium Capacity

Model	YDS-13	YDS-15	YDS-16	YDS-20	YDS-26
Capacity (L)	13.0	16.0	17.0	20.0	26.0
Empty Weight (Kg)	7.0	8.2	8.5	11.2	12.5
Neck Diameter (mm)	50	50	50	50	50
Outer Diameter (mm)	303	355	355	409	409
Height (mm)	615	600	620	655	705
Atatic Evaporation Loss Mass (L/d)	0.10	0.10	0.10	0.10	0.11
Static Holding Time (d)	131	161	171	202	244
Canister Outer Diameter (mm)	38	38	38	38	38
Canister Height (mm)	120/276	120	120/276	120/276	120/276
Number of Canisters (n)	6	6	6	6	6
Straw Holding Capacity (0.5ml) (Single Level) (0.25ml)	792	792	792	792	792
Straw Holding Capacity (0.5ml) (Double Level) (0.5ml)	1788	1788	1788	1788	1788
Number of Canes (n)	1284	-	1284	1284	1284
Number of Vials (n)	2832	-	2832	2832	2832
Number of Canes (n)	24	-	24	24	24
Number of Vials (n)	120	-	120	120	120

### Specifications:

#### Large Capacity

Model	YDS-30	YDS-30-80	YDS-30-90	YDS-30-125	YDS-35	YDS-35-80	YDS-35-125
Capacity (L)	31.5	31.5	31.5	31.5	35.5	35.5	35.5
Empty Weight (Kg)	12.9	31.5	31.6	14.2	13.8	14.1	15.1
Neck Diameter (mm)	50	80	90	125	50	80	125
Outer Diameter (mm)	446	446	446	446	473	473	473
Height (mm)	670	680	685	685	670	675	690
Atatic Evaporation Loss Mass (L/d)	0.11	0.18	0.18	0.28	0.11	0.19	0.29
Static Holding Time (d)	295	174	174	112	333	187	123
Canister Outer Diameter (mm)	38	63	70	97	38	63	97
Canister Height (mm)	120/276	120/276	120/276	120/276	120/276	120/276	120/276
Number of Canisters (n)	6	6	6	6	6	6	6
Straw Holding Capacity (0.5ml) (Single Level) (0.25ml)	792	2244	2588	5124	792	2244	5124
Straw Holding Capacity (0.5ml) (Double Level) (0.5ml)	1788	5022	6192	11952	1788	5022	11952
Number of Canes (n)	1284	3624	4920	9048	1284	3624	9048
Number of Vials (n)	2832	8460	10688	19944	2832	8460	19944
Number of Canes (n)	24	72	90	198	24	72	198
Number of Vials (n)	120	360	450	990	120	360	990