

# CRYO LAB INDIA

(An ISO 9001:2008 Certified Company)

B.C Sen Road Tarapurur Agarpara, North 24 PGS, Kolkata 700109

Tel:(033)25861821,09830148523,Fax:(033)25866463,Cryolabindia.roy8@gmail.com

## LIQUID NITROGEN CONTAINERS(Dewars)



Liquid Nitrogen containers are widely used in animal husbandry for ultra low temperature semen preservation for artificial Insemination of cattle.

Also used for Vaccine preservation, low temperature Metal treatment, Shrink Fitting , Hardening of metal etc.

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## LIQUID NITROGEN CONTAINERS

### FEATURES

- Made off Light weight Aluminium Alloy double walled vessel
- Inner vessel with multilayered superinsulation
- Fiber glass neck attaching Inner vessel to outer vessel ensuring low liquid nitrogen consumption
- Neck Cover is made off high strength polycarbonet and lock type
- In the annular space between inner and outer vessel high vacuum is maintained

### TECHNICAL SPECIFICATIONS

Design By		CRYO LAB INDIA								
Mfg. By		CRYO LAB INDIA								
Order Code		CL500	CL1.5	CL3	CL7	CL11	CL20	CL35	CLX12	CL55
Country of origin		INDIA								
Characteristics										
Material		Aluminium Alloy								
Model Name	Unit	CL.5	CL1.5	CL3	CL7	CL11	CL20	CL35	CLX12	CL55
capacity LN2( liter)	Liter	0.5	1.5	3.6	7.9	11	20	34	51	51.5
Empty weight(kg)	KG	1.08	2.1	3.4	6	6.3	11	14	17	16
Full weight (kg)	KG	1.65	3.5	6.2	12	16	27	41	57	57
Neck diameter(mm)	MM	32	32	51	51	51	51	51	120	51
Outer diameter(inch)	mm	127	175	220	305	305	400	475	475	475
Total height(inch)	mm	304	355	416	540	561	609	660	736	736
Static evaporation loss rate(Ltrs/Day)*	Ltrs/Day	0.08	0.08	0.14	0.14	0.14	0.14	0.14	0.39	0.43
Static holding time*(days)	Days	7	15	27	57	82	170	275	124	120
No of Canister	No.	2	3	6	6	6	6	6	11	—
Canister OD(mm)	MM	19	24	38	38	38	38	38	72	—
Canister Height(mm)	MM	120	120	120	120	120	120	120	280	—
Straw Holding Capacity(Single level)	0.5ml	50	150	720	720	720	720	720		
Straw Holding Capacity(Double level)	0.25 ml	100	300	1560	1560	1560	1560	1560		—
Straw Holding Capacity(Double level)	0.5ml	—	—	—	1440	1440	1440	1440	8000	—
Straw Holding Capacity(Double level)	0.25 ml	—	—	—	3120	3120	3120	3120	18000	—

- Specifications are subjected to change without any prior notice due to continuous upgradation
- Static evaporation loss rate & static holding time are considered here at standered atmospheric conditions and may be affected by other atmospheric condition & manufacturing tolerance.