

# ☐ COLD CHAIN EQUIPMENTS .....



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Type of Vaccine Carrier / Code	Small Vaccine Carrier, Short Range - VCA8F	Large Vaccine Carrier, Long Range - VCA9AF	Large Vaccine Carrier, Long Range - VCA6F	Large Cold Box Long Range CBA11F	Large Cold Box Long Range CBA12F
Vaccine Storage Capacity as per Std. PQS load	0.80 Litres	1.35 Litres	2.46 Litres	18 Litres	18 Litres
Gross Storage Capacity	0.80 Litres	1.35 Litres	2.50 Litres	22.21 Litres	23.70 Litres
Weight Fully Loaded	2.18 Kgs	4.36 Kgs	6.36 Kgs	45.86 Kgs	47.86 Kgs
Weight Empty (with empty ice pack)	1.34 Kgs	2.22 Kgs	2.98 Kgs	21.78 Kg	20.78 Kgs
External surface material	HDPE*	HDPE*	HDPE*	LLDPE*	LLDPE*
Internal lining material	HIPS*	HIPS*	HIPS*	LLDPE*	LLDPE*
Insulation material	CFC free Polyurethane	CFC free Polyurethane	CFC free Polyurethane	CFC free Polyurethane	CFC free Polyurethane
Insulation thickness	32/36 mm	35/40 mm	32/35 mm	100 mm	100 mm
External dimensions (LxWxH)	25.0x18.0x21.0 cms	24.0x24.0x30.0 cms	27.0x27.0x32.0 cms	70.0x61.0x51.0 cms	77.0x61.8x51.3 cms
Internal dimensions (LxWxH)	17.30x10.30x12.10 cms	9.9x9.9x16.50 cms	12.2x12.2x19 cms	53.0x37.5x30.5 cms	52.9x37.5x30.0 cms
Vaccine Storage dimensions	17.30x10.30x4.50 cms	9.0x9.1x16.50 cms	11.38x11.38x19.0 cms	45.5x30.5x16.0 cms	44.2x29.3x18.3 cms
Lid Type and Fixings	Removable	Removable	Removable	Hinged	Hinged
Number of Ice-packs Required	2	4	4	50	31
Number of Ice Packs supplied	2	4	4	50	31
Ice-pack type compliant with PQS E0S/IP01.1	0.4 L	0.4 L	0.6 L	0.3 L	0.6 L
Volume of Ice Pack	0.40 Litres	0.40 Litres	0.60 Litres	0.30 Litres	0.60 Litres
Min. Cold life Req.	15 hrs.	30 hrs.	30 hrs.	96 hrs.	96 hrs.
Conforming to WHO PQS Ref. No.	E04/VC01.1	E04/VC01.1	E04/VC01.1	E04/CB01.1	E04/CB01.1
Cold life without openings at +43°C	20 hrs. 16 minutes	40 hrs. 02 minutes	50 hrs. 12 minutes	126 hrs. 32 minutes	145 hrs. 51 minutes
Warm Life at -20°C	7 hrs. 55 minutes	15 hrs. 52 minutes	15 hrs. 57 minutes	44 hrs. 48 minutes	57 hrs. 42 minutes
Cool Life +43°C	3 hrs. 53 minutes	7 hrs. 48 minutes	9 hrs. 47 minutes	28 hrs. 05 minutes	34 hrs. 35 minutes

\*HDPE - High Density Polyethylene; \*HIPS - High Impact Polystyrene; \*LLDPE - Linear Low Density Polyethylene



### ICE - PACKS

Code	IPA3	IPA4	IPA6
Size	0.3 Litres	0.4 Litres	0.6 Litres
Volume of Ice Per Pack	0.305 Litres	0.355 Litres	0.570 Litres
Approx. External Dimensions (WxDxH)	160x91x34 mm	164x95x34 mm	190x119x35 mm
Weight Empty	76 gms	78 gms	110 gms
Weight Filled	363 gms	432 gms	664 gms
Material	HDPE*	HDPE*	HDPE*
Conforming to WHO Specifications	WHO/PQS/E05/IP01.1	WHO/PQS/E05/IP01.1	WHO/PQS/E05/IP01.1

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Large Cold Box Long Range CBA17F	Small Cold Box Long Range CBA19F	Small Cold Box Short Range CBA15F	Large Cold Box Short Range CBA14F
18 Litres	6.0 Litres	16.0 Litres	16.0 Litres
21.70 Litres	11.61 Litres	20.80 Litres	22.91 Litres
46.14 Kgs	25.40 Kgs	34.42 Kgs	35 Kgs
21.34 Kgs	12.82 Kgs	14.30 Kgs	14.50 Kgs
LLDPE*	LLDPE*	LLDPE*	LLDPE*
LLDPE*	LLDPE*	LLDPE*	LLDPE*
CFC free Polyurethane	CFC free Polyurethane	CFC free Polyurethane	CFC free Polyurethane
100 mm	100 mm	65 mm	65 mm
77.0x61.0x51.0 cms	62.4x50.2x42.6 cms	65.0x65.0x34.7 cms	64.5x64.0x35.0 cms
53.0x36.1x30.8x cms	40.3x28.2x21.1 cms	47.8x48.1x22.5 cms	48.0x47.9x22.6 cms
45.0x29.4x16.4 cms	33.0x21.2x16.6 cms	40.1x40.6x12.78 cms	39.9x39.6x14.5 cms
Hinged	Hinged	Hinged	Hinged
44	26	32	24
44	26	32	24
0.4 L	0.4 L	0.4 L	0.6 L
0.4 Litres	0.4 Litres	0.4 Litres	0.6 Litres
96 hrs.	96 hrs.	48 hrs.	48 hrs.
E04/CB01.1	E04/CB01.1	E04/CB01.1	E04/CB01.1
147 hrs. 14 minutes	132 hrs. 18 minutes	80 hrs. 19 minutes	93 hrs. 33 minutes
52 hrs. 03 minutes	48 hrs. 41 minutes	27 hrs. 44 minutes	31 hrs. 22 minutes
30 hrs. 39 minutes	29 hrs. 47 minutes	18 hrs. 44 minutes	20 hrs. 42 minutes