



Lifecube FTT Containers

Flexible Freeze-Thaw Series



Lifecube FTT Containers

Lifecube FTT meet the needs for high efficiency, sterility and stability of freezing operations in the biopharmaceutical industry. Lifecube FTT is available with three different freeze-thaw solutions, allowing customers to choose the one that best suits their needs.

Features

Stackable

Lifecube FTT can be stacked in multiple units to significantly reduce the space required for freeze storage and the related operating costs.

Flexible fluid management technology

LifecubeFTT is a single-use freeze-thaw bag with a wide range of filling sizes and couplings for rapid transfer of drug substance.

Validation

Cobetter offers three customisable freeze-thaw solutions, each of which has been tested with the appropriate transport validation to cover a wide range of possible transport scenarios and environments. Whether for in-plant transfers or long-distance transport, a solution can be found to ensure the safety of the drug substance during transport.

Easy to clean and maintain

The surface is easy to clean and the internal design prevents condensation build-up, effectively avoiding frost formation and resulting contamination issues.

Validation of performance

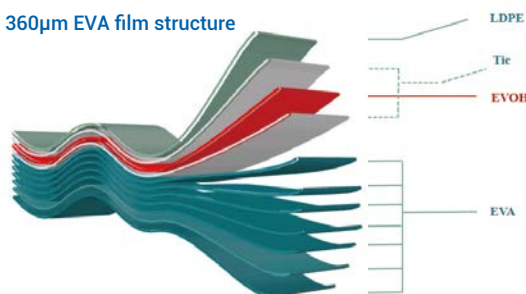
- Transport Testing
- Stacking Test
- Drop Test
- -80°C Freezing Test



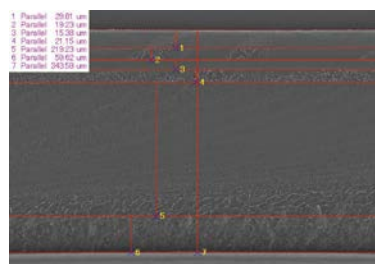
Lifecube FTT Single use Freeze-Thaw Bags

- Single-use freeze-thaw bag
- The bag and tube are completely protected and fixed.
- -80°C temperature conditions for use
- Up to four units can be stacked
- 360µm EVA film with blown film process, the inner surface is extremely clean, and the film has good extension properties and freeze resistance
- Low temperature transport solution
- Supporting TPE or silicone tubes, and aseptic metallic sleeves.
- ISTA-3A drop test and simulated manual handling drop test under frozen condition
- 100% leak test
- Multiple orifice design for better heat transfer efficiency in freezer

360µm EVA film structure



Scanning electron micrograph of 11-layer EVA film



Materials	Code	Tubing	End Connectors	Working Volumes	Dimensions (L×W×H)	Operating Temperature Range
Shell: HDPE Film: EVA	FT06LF2NK	Lifemeta™ STF TPE ⅜"-⅝" * 2	EC Easy Connectors	6 L	595 x 470 x 130 mm	-80°C ~ 40°C
	FT06LX2NK	Lifemeta™ STT Pt-cured Silicone Tubing ⅜"-⅝" Lifemeta™ STF TPE ⅜"-⅝"				
	FT12LF2NK	Lifemeta™ STF TPE ⅜"-⅝" * 2		12 L	690 x 536 x 130 mm	
	FT12LX2NK	Lifemeta™ STT Pt-cured Silicone Tubing ⅜"-⅝" Lifemeta™ STF TPE ⅜"-⅝"				

Lifecube FTT Freezer Frames

- Integral cushioning design
- Cushioning foam for wrapped film: easy to clean and no water accumulation
- Tubing has a fixed location
- Stacked non-slip structure



Materials	Code	Volumes	Working Volumes	Dimensions (L×W×H)	Operating Temperature Range
HDPE	FTT10LB	10 L	8 L	680 x 555 x 147 mm	-80°C~40°C
	FTT20LB	20 L	16 L	820 x 665 x 167 mm	

Lifecube FTT Freezer Trays

- Single-use bags are placed in freezer trays to ease handling.
- Three units can be stacked to increase cold storage utilisation.
- Reduces bag impact during handling



Materials	Code	Volumes	Working Volumes	Dimensions (L×W×H)	Operating Temperature Range
HDPE	FTT10LA	10 L	8 L	708 x 458 x 155 mm	-80°C~40°C
	FTT20LA	20 L	16 L	860 x 580 x 155 mm	
	FTT50LA	50 L	40 L	1060 x 660 x 155 mm	



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* Specifications subject to change without notice.

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