

BIOTHERM EXTREME

-30 TO +40°C



**SAMPLE
TRANSPORT
PACKAGING**



The BioTherm Extreme product range protects the integrity of critical ambient patient samples when exposed to extreme climates from -30°C to +40°C. These systems are qualified for between 4 to 38 hours.

THIS PRODUCT CAN BE USED TO

- Deliver a lower cost transportation solution, compared to traditional temperature protection for sub 1 kg to sub 5 kg actual/volumetric weight samples
- Reduce sample attrition eliminating the need for costly re-tests
- Operate with zero conditioning and minimal assembly time, allowing ease of use by clinical trial sites

For more information please contact Intelsius UK cs@intelsius.com



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BIOTHERM EXTREME-0

Product Code
EES0
-20°C Flat Exposure
5+ hours > 2°C
6+ hours > 0°C
-30°C Flat Exposure
4+ hours > 2°C
5+ hours > 0°C
+40°C Flat Exposure
8+ hours < 25°C
11+ hours < 30°C
Typical Payload
6 x 8ml tubes
Ideal Use
Domestic
Compliance
Category A or B Substances*
Re-Usability
Multi-Use
External Dimensions
291 x 191 x 102 mm
11.5 x 7.6 x 4.1 in
Volumetric Weight L/6
0.94 kgvol ^c 2.1 lbsvol ^c
Mass
0.92 kg 2.1 lbs

BIOTHERM EXTREME-1

Cold Exposure Product Code
EES1C
-20°C Flat Exposure
7+ hours > 2°C
9+ hours > 0°C
-30°C Flat Exposure
6+ hours > 2°C
7+ hours > 0°C
Hot Exposure Product Code
EESIH
+40°C Flat Exposure
11+ hours < 25°C
14+ hours < 30°C
Typical Payload
6 x 8ml tubes
Ideal Use
Domestic
Compliance
Category A or B Substances*
Re-Usability
Multi-Use
External Dimensions
291 x 191 x 102 mm
11.5 x 7.6 x 4.1 in
Volumetric Weight L/6
0.94 kgvol ^c 2.1 lbsvol ^c
Mass
1.16 kg 2.6 lbs

BIOTHERM EXTREME-2

Cold Exposure Product Code
EES2
-20°C Flat Exposure
11+ hours > 2°C
13+ hours > 0°C
-30°C Flat Exposure
6+ hours > 2°C
7+ hours > 0°C
Hot Exposure Product Code
EES2
+40°C Flat Exposure
11+ hours < 25°C
16+ hours < 30°C
Typical Payload
12 x 8ml tubes
Ideal Use
International
Compliance
Category B Substances*
Re-Usability
Multi-Use
External Dimensions
218 x 221 x 293 mm
8.6 x 8.7 x 11.6 in
Volumetric Weight L/6
2.4 kgvol ^c 5.2 lbsvol ^c
Mass
2.1 kg 4.6 lbs



*Systems are Category A or Category B compliant when used in conjunction with an Intelsius 95kPa Pouch and Absorbent (sold separately)

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BIOTHERM EXTREME-3 BIOTHERM EXTREME-4 BIOTHERM EXTREME-5 BIOTHERM EXTREME-6

Cold Exposure Product Code	Cold Exposure Product Code	Cold Exposure Product Code	Product Code
EES3P - PharmaChill** EES3B - BioChill**	EES4C	EES5C	EES6
-20°C Flat Exposure	-20°C Flat Exposure	-20°C Flat Exposure	ISTA 7D HOT
16+ hours > 2°C	27+ hours > 2°C	18+ hours > 2°C	36 hours
18+ hours > 0°C	33+ hours > 0°C	23+ hours > 0°C	Typical Payload
-30°C Flat Exposure	-30°C Flat Exposure	-30°C Flat Exposure	12 x 8ml tubes / 1 Cryovial Box
12+ hours > 2°C	18+ hours > 2°C	11+ hours > 2°C	Ideal Use
14+ hours > 0°C	21+ hours > 0°C	23+ hours > 0°C	Extreme International
Hot Exposure Product Code	Hot Exposure Product Code	Hot Exposure Product Code	Compliance
EES3P - PharmaChill** EES3B - BioChill**	EES4H	EES5H	Category B Substances*
+40°C Flat Exposure	+40°C Flat Exposure	+40°C Flat Exposure	Re-Usability
22+ hours < 25°C	32+ hours < 25°C	22+ hours < 25°C	Multi-Use
31+ hours < 30°C	38+ hours < 30°C	27+ hours < 30°C	External Dimensions
Typical Payload	Typical Payload	Typical Payload	280 x 275 x 180 mm
18 x 8ml tubes	18 x 8ml tubes	6 x 8ml tubes	11.0 x 10.8 x 7.1 in
Ideal Use	Ideal Use	Ideal Use	Payload Volume
International	Extreme International	Extreme International	1.6 L
Compliance	Compliance	Compliance	Volumetric Weight L/5
Category B Substances*	Category B Substances*	Category A or B Substances*	2.8 kgvol ^c 6.1 lbsvol ^c
Re-Usability	Re-Usability	Re-Usability	Mass
Multi-Use	Multi-Use	Multi-Use	2.4 kg 5.3 lbs
External Dimensions	External Dimensions	External Dimensions	
308 x 308 x 310 mm	308 x 308 x 310 mm	291 x 191 x 102 mm	
12.2 x 12.2 x 12.2 in	12.2 x 12.2 x 12.2 in	11.5 x 7.6 x 4.1 in	
Volumetric Weight L/6	Volumetric Weight L/6	Volumetric Weight L/6	
4.9 kgvol ^c 10.8 lbsvol ^c	4.9 kgvol ^c 10.8 lbsvol ^c	0.94 kgvol ^c 2.1 lbsvol ^c	
Mass	Mass	Mass	
4.6 kg 10.2 lbs	4.8 kg 10.6 lbs	1.34 kg 2.95 lbs	

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**PharmaChills are rigid reusable bottles, BioChills are semi-rigid single use pouches

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