

# BIO THERM EXTREME

-30°C, -20°C, +40°C



**SAMPLE  
TRANSPORT  
PACKAGING**



**The BioTherm Extreme product range protects the integrity of critical ambient patient samples when exposed to extreme climates of -30°C, -20°C and +40°C. These systems are qualified for between 4 to 38 hours.**

The BioTherm Extreme is designed to keep a payload from going below 0°C or above 30°C. Ideal for clinical trial samples exposed to extreme conditions during low winter and high summer months.

## 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](mailto:cs@intelsius.com)

# BIO THERM EXTREME

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## CATEGORY A OR CATEGORY B COMPLIANT\*

Product Code	Product Name	External Dimensions	Typical Payload	Mass	Volumetric Weight L/6	Duration vs -30°C Flat Exposure	Duration vs -20°C Flat Exposure	Duration vs +40°C Flat Exposure
EESO	BioTherm Extreme 0 For Hot & Cold Exposure	291 x 191 x 102 mm 11.5 x 7.6 x 4.1 in	6 x 8ml Tubes	0.9 kg 2.1lbs	0.9 kgvolc 2.1 lbsvolc	4 + hours > 2°C 5 + hours > 0°C	5 + hours > 2°C 6 + hours > 0°C	8 + hours > 25°C 11 + hours > 30°C
EES1C	BioTherm Extreme 1 For Cold Exposure	291 x 191 x 102 mm 11.5 x 7.6 x 4.1 in	6 x 8ml Tubes	1.2 kg 2.6 lbs	0.9 kgvolc 2.1 lbsvolc	6 + hours > 2°C 7 + hours > 0°C	7 + hours > 2°C 9 + hours > 0°C	N/A
EESIH	BioTherm Extreme 1 For Hot Exposure	291 x 191 x 102 mm 11.5 x 7.6 x 4.1 in	6 x 8ml Tubes	1.2 kg 2.6 lbs	0.9 kgvolc 2.1 lbsvolc	N/A	N/A	11 + hours > 25°C 14 + hours > 30°C
EES5C	BioTherm Extreme 5 For Cold Exposure	291 x 191 x 102 mm 11.5 x 7.6 x 4.1 in	6 x 8ml Tubes	1.3 kg 3.0 lbs	0.9 kgvolc 2.1 lbsvolc	11 + hours > 2°C 23 + hours > 0°C	11 + hours > 2°C 23 + hours > 0°C	N/A
EES5H	BioTherm Extreme 5 For Hot Exposure	291 x 191 x 102 mm 11.5 x 7.6 x 4.1 in	6 x 8ml Tubes	1.3 kg 3.0 lbs	0.9 kgvolc 2.1 lbsvolc	N/A	N/A	22 + hours > 25°C 27 + hours > 30°C

## CATEGORY B COMPLIANT\*

Product Code	Product Name	External Dimensions	Typical Payload	Mass	Volumetric Weight L/6	Duration vs -30°C Flat Exposure	Duration vs -20°C Flat Exposure	Duration vs +40°C Flat Exposure
EES2	BioTherm Extreme 2 For Hot & Cold Exposure	218 x 221 x 293 mm 8.6 x 8.7 x 11.6 in	12 x 8ml Tubes	2.1 kg 4.6 lbs	2.4 kgvolc 5.2 lbsvolc	6 + hours > 2°C 7 + hours > 0°C	1 + hours > 2°C 13 + hours > 0°C	11 + hours > 25°C 16 + hours > 30°C
EES3P	BioTherm Extreme 3 For Hot & Cold Exposure	308 x 308 x 310 mm 12.1 x 12.1 x 12.2 in	18 x 8ml Tubes	4.6 kg 10.2 lbs	4.9 kgvolc 10.8 lbsvolc	12 + hours > 2°C 14 + hours > 0°C	6 + hours > 2°C 18 + hours > 0°C	22 + hours > 25°C 31 + hours > 30°C
EES3B	BioTherm Extreme 3 For Hot & Cold Exposure	308 x 308 x 310 mm 12.1 x 12.1 x 12.2 in	18 x 8ml Tubes	4.6 kg 10.2 lbs	4.9 kgvolc 10.8 lbsvolc	12 + hours > 2°C 14 + hours > 0°C	16 + hours > 2°C 18 + hours > 0°C	22 + hours > 25°C 31 + hours > 30°C
EES4C	BioTherm Extreme 4 For Cold Exposure	308 x 308 x 310 mm 12.1 x 12.1 x 12.2 in	18 x 8ml Tubes	4.8 kg 10.6 lbs	4.9 kgvolc 10.8 lbsvolc	18 + hours > 2°C 21 + hours > 0°C	27 + hours > 2°C 33 + hours > 0°C	N/A
EES4H	BioTherm Extreme 4 For Hot Exposure	308 x 308 x 310 mm 12.1 x 12.1 x 12.2 in	18 x 8ml Tubes	4.8 kg 10.6 lbs	4.9 kgvolc 10.8 lbsvolc	N/A	N/A	32 + hours > 25°C 38 + hours > 30°C

\*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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