



Product picture shows an exemplary solution for the temperature range +2 °C to +8 °C

## DESCRIPTION

Ensure patient-safe medicines and accurate clinical trial results with ProofPak. Our innovative, reusable thermal packaging ensures precise temperature control from -70°C to +37°C, unaffected by seasons or climate. Qualified according to ISTA 7D standards, ProofPak ensures consistent reliability, safeguarding your temperature-sensitive pharmaceuticals from production through to delivery. Experience seamless logistics with 'ready to load & go', giving you time to focus on advancing your clinical research while we protect your products with unmatched precision and reliability.

Note: This product shall be stored and transported in upright position!

DIMENSIONS AND WEIGHT

| External Dimensions (l x w x h) |                    | Internal Dimensions <sup>1</sup> (l x w x h) |                 | Tolerances |        |
|---------------------------------|--------------------|----------------------------------------------|-----------------|------------|--------|
| [mm]                            | [inch]             | [mm]                                         | [inch]          | [mm]       | [inch] |
| 325 x 315 x 310                 | 12.8 x 12.4 x 12.2 | 160 x 160 x 160                              | 6.3 x 6.3 x 6.3 | ± 5        | ± 0.2  |

| Tare Weight <sup>1</sup> |            | Payload <sup>1</sup> (Volume) |
|--------------------------|------------|-------------------------------|
| [kg]                     | [lbs]      | [L]                           |
| 11.6 ± 1                 | 25.6 ± 2.2 | 4                             |

<sup>1</sup>Including Temperature Batteries

TEMPERATURE BATTERY CONFIGURATION

| ProofBlok  | Pieces | Dimensions <sup>2</sup> (l x w x h) |                 | Weight |       | Material number |
|------------|--------|-------------------------------------|-----------------|--------|-------|-----------------|
|            |        | [mm]                                | [inch]          | [kg]   | [lbs] |                 |
| 22224 -21G | 6      | 216 x 216 x 34                      | 8.5 x 8.5 x 1.3 | 1.3    | 2.9   | AK000302        |

<sup>2</sup>dimensions of empty Temperature Battery shell, variation due to PCM inside and aggregation state possible

PERFORMANCE The ProofPak 4 Premium -21G is qualified in the temperature range from -25 °C to -15 °C

| Temperature scenario | Duration [hrs] | Kelvin-hours <sup>3</sup> | Average ambient temperature [°C] |
|----------------------|----------------|---------------------------|----------------------------------|
| ISTA 7D summer       | ≥ 120          | ≥ 6048                    | +30.4                            |

<sup>3</sup>Detailed information about the concept of Kelvin-hours on [www.kelvinhours.com](http://www.kelvinhours.com)

For more details, please view the qualification report. Before performing a shipment with the ProofPak 4 Premium -21G it is suggested that the user performs a validation process with the equipment available and under the conditions available. A test in worst case conditions is recommended. The box provides a very stable and well-designed system solution which has to be adapted on the particular requirements of the user.

For more information please contact [support@envirotainer.com](mailto:support@envirotainer.com).