

# ORCA SINGLE-USE

2-8°C, 15-25°C, -15 TO -25°C, DRY ICE



TEMPERATURE  
CONTROLLED  
PACKAGING



**ORCA Single-Use is a portfolio of high performance solutions that provides a minimum of 96 hours of superior thermal protection for 2-8°C, 15-25°C, -15 to -25°C and frozen temperature sensitive payloads. ORCA Single-Use systems are designed to manage excursion risks, control costs and prioritise patient safety for one way shipping.**

The ORCA Single-Use range utilises Phase Change Material (PCM) and Vacuum Insulation Panel (VIP) technology offering unparalleled performance for single use systems while offering significant volumetric weight savings.

An innovative design that reduces packing times and errors, ORCA Single-Use makes it easy to be fully GDP compliant.

## Features

- Up to 96 hours of high performance thermal protection
- 2-8°C systems safe to place in a fridge when experiencing unplanned delays
- Universal pack outs makes ORCA Single-Use easy to use and reduces the risks of packing errors
- Significant reductions in volumetric and physical weight which provides a lower total cost of distribution
- Qualified for a minimum of 120 hour performance when using dry ice as a coolant to maintain temperatures below -20°C

For more information please contact Intelsius UK [cs@intelsius.com](mailto:cs@intelsius.com)



## PCM ORCA SINGLE-USE SOLUTIONS

| Code   | Product Name                       | External Dimensions                         | Payload Dimensions                          | Payload Volume | Mass                | Volumetric Weight L/6                               | Duration* |
|--------|------------------------------------|---------------------------------------------|---------------------------------------------|----------------|---------------------|-----------------------------------------------------|-----------|
| OSU111 | ORCA SINGLE-USE 2-8°C 4L           | 310 x 305 x 295 mm<br>12.2 x 12.0 x 11.6 in | 172 x 172 x 172 mm<br>6.7 x 6.7 x 6.7 in    | 5.0 L          | 6.5 kg<br>14.4 lbs  | 4.6 kgvol <sup>c</sup><br>10.2 lbsvol <sup>c</sup>  | 72+       |
| OSU221 | ORCA SINGLE-USE 2-8°C 11L          | 385 x 380 x 365 mm<br>15.2 x 15.0 x 14.4 in | 234 x 234 x 234 mm<br>9.2 x 9.2 x 9.2 in    | 12.8 L         | 10.6 kg<br>23.4 lbs | 8.9 kgvol <sup>c</sup><br>19.6 lbsvol <sup>c</sup>  | 96+       |
| OSU331 | ORCA SINGLE-USE 2-8°C 23L          | 435 x 430 x 420 mm<br>17.1 x 16.9 x 16.5 in | 294 x 294 x 294 mm<br>11.6 x 11.6 x 11.6 in | 25.4 L         | 15.9 kg<br>34.9 lbs | 13.1 kgvol <sup>c</sup><br>28.8 lbsvol <sup>c</sup> | 96+       |
| OSU441 | ORCA SINGLE-USE 2-8°C 50L          | 515 x 510 x 500 mm<br>20.3 x 20.1 x 19.7 in | 376 x 376 x 376 mm<br>14.8 x 14.8 x 14.8 in | 53.1 L         | 21.0 kg<br>46.3 lbs | 21.9 kgvol <sup>c</sup><br>48.2 lbsvol <sup>c</sup> | 96+       |
| OSU112 | ORCA SINGLE-USE 15-25°C 4L         | 310 x 305 x 295 mm<br>12.2 x 12.0 x 11.6 in | 172 x 172 x 172 mm<br>6.7 x 6.7 x 6.7 in    | 5.0 L          | 6.0 kg<br>13.2 lbs  | 4.6 kgvol <sup>c</sup><br>10.2 lbsvol <sup>c</sup>  | 96+       |
| OSU222 | ORCA SINGLE-USE 15-25°C 11L        | 385 x 380 x 365 mm<br>15.2 x 15.0 x 14.4 in | 234 x 234 x 234 mm<br>9.2 x 9.2 x 9.2 in    | 12.8 L         | 9.5 kg<br>20.9 lbs  | 8.9 kgvol <sup>c</sup><br>19.6 lbsvol <sup>c</sup>  | 96+       |
| OSU332 | ORCA SINGLE-USE 15-25°C 23L        | 435 x 430 x 420 mm<br>17.1 x 16.9 x 16.5 in | 294 x 294 x 294 mm<br>11.6 x 11.6 x 11.6 in | 25.4 L         | 12.7 kg<br>28.0 lbs | 13.1 kgvol <sup>c</sup><br>28.8 lbsvol <sup>c</sup> | 96+       |
| OSU442 | ORCA SINGLE-USE 15-25°C 50L        | 515 x 510 x 500 mm<br>20.3 x 20.1 x 19.7 in | 376 x 376 x 376 mm<br>14.8 x 14.8 x 14.8 in | 53.1 L         | 19.1 kg<br>42.1 lbs | 21.9 kgvol <sup>c</sup><br>48.2 lbsvol <sup>c</sup> | 96+       |
| OSU113 | ORCA SINGLE-USE -25 to -15°C 4L    | 310 x 305 x 295 mm<br>12.2 x 12.0 x 11.6 in | 172 x 172 x 172 mm<br>6.7 x 6.7 x 6.7 in    | 5.0L           | 8.5 kg<br>18.7 lbs  | 4.6 kgvol <sup>c</sup><br>10.2 lbsvol <sup>c</sup>  | 72+       |
| OSU223 | ORCA SINGLE-USE -25 to -15°C 11L   | 385 x 380 x 365 mm<br>15.2 x 15.0 x 14.4 in | 234 x 234 x 234mm<br>11.6 x 11.6 x 11.6 in  | 12.1L          | 13.1 kg<br>28.8 lbs | 8.9 kgvol <sup>c</sup><br>19.6 lbsvol <sup>c</sup>  | 96+       |
| OSU333 | ORCA SINGLE-USE -25 to -15°C 23L   | 435 x 430 x 420 mm<br>17.1 x 16.9 x 16.5 in | 294 x 294 x 294 mm<br>11.6 x 11.6 x 11.6 in | 24.3L          | 20.9 kg<br>46.0 lbs | 13.1 kgvol <sup>c</sup><br>28.8 lbsvol <sup>c</sup> | 120+      |
| OSU443 | ORCA SINGLE-USE -25°C to -15°C 50L | 515 x 510 x 500 mm<br>20.3 x 20.1 x 19.7 in | 376 x 376 x 376 mm<br>14.8 x 14.8 x 14.8 in | 53.1L          | 26.2 kg<br>57.8 lbs | 21.9 kgvol <sup>c</sup><br>48.2 lbsvol <sup>c</sup> | 96+       |

\*Duration tested against ISTA 7D Summer and Winter profiles, duration shows the lowest duration of these tests rounded down to the nearest 24 hours.

## DRY ICE ORCA SINGLE-USE SOLUTIONS

| Code     | Product Name                 | External Dimensions                         | Internal Dimensions                         | Internal Volume | Payload Volume | Mass                | Dry Ice Mass        | Volumetric Weight L/6                               | Duration* |
|----------|------------------------------|---------------------------------------------|---------------------------------------------|-----------------|----------------|---------------------|---------------------|-----------------------------------------------------|-----------|
| OSU100DI | ORCA SINGLE-USE SMALL DI     | 310 x 305 x 295 mm<br>12.2 x 12.0 x 11.6 in | 218 x 218 x 218 mm<br>8.6 x 8.6 x 8.6 in    | 10.4 L          | 1.5 L          | 3.4 kg<br>7.4 lbs   | 7.0 kg<br>15.4 lbs  | 4.6 kgvol <sup>c</sup><br>10.2 lbsvol <sup>c</sup>  | 120+      |
| OSU200DI | ORCA SINGLE-USE MEDIUM DI    | 385 x 380 x 365 mm<br>15.2 x 15.0 x 14.4 in | 280 x 280 x 280 mm<br>11.0 x 11.0 x 11.0 in | 21.9 L          | 6.5 L          | 4.2 kg<br>11.0 lbs  | 12.0 kg<br>26.5 lbs | 8.9 kgvol <sup>c</sup><br>19.6 lbsvol <sup>c</sup>  | 120+      |
| OSU300DI | ORCA SINGLE-USE LARGE DI     | 435 x 430 x 420 mm<br>17.1 x 16.9 x 16.5 in | 340 x 340 x 340 mm<br>13.3 x 13.3 x 13.3 in | 39.3 L          | 21.5 L         | 7.5 kg<br>15.3 lbs  | 14.0 kg<br>30.9 lbs | 13.1 kgvol <sup>c</sup><br>28.8 lbsvol <sup>c</sup> | 120+      |
| OSU400DI | ORCA SINGLE-USE EX- LARGE DI | 515 x 510 x 500 mm<br>20.3 x 20.1 x 19.7 in | 420 x 420 x 420 mm<br>16.5 x 16.5 x 16.5 in | 74.1 L          | 50.0 L         | 10.0 kg<br>22.2 lbs | 16.0 kg<br>35.3 lbs | 21.9 kgvol <sup>c</sup><br>48.2 lbsvol <sup>c</sup> | 120+      |

\*Duration tested against ISTA 7D Summer profile, Duration shows the time the payload remained below -20°C rounded down to the nearest 24 hours.

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