

2. Assembly

OSU332 ORCA Single Use 23L 15°C to 25°C



Component		Quantity
A	Lid VIP Panel	1
B	PCM Cassettes	6
C	Payload Area	1
D	ORCA Single Use 23L System	1

2.1 Conditioning

- 2.1.1 When using the ORCA Single Use for average ambient temperatures below 20°C, prepare the ORCA Single Use cassettes in a 23°C ($\pm 1^\circ\text{C}$) environment for a minimum of 48 hours. Ensure the cassettes are spaced out to allow good airflow around all six panels. The ORCA Single Use cassettes should be in a fully liquid state before packing to achieve maximum performance. A decrease in duration is possible if prepared at a lower temperature.
- 2.1.2 When using the ORCA Single Use for average ambient temperatures above 20°C, prepare the ORCA Single Use cassettes in a 17°C ($\pm 1^\circ\text{C}$) environment for a minimum of 48 hours. Ensure the cassettes are spaced out to allow good airflow around all six panels. The ORCA Single Use cassettes should be in a fully solid state before packing to achieve maximum performance. A decrease in duration is possible if prepared at a higher temperature.
- 2.1.3 The cassettes have an aperture to check the surface temperature of the PCM brick (see image below). This will allow the user to assess the temperature of the PCM before packing.
- 2.1.4 Intelsius recommend that customers conduct validation work of the preparation guidelines based on equipment, processes and ambient environment in line with Good Distribution Practices.



Figure: The check coolant temperature aperture on each PCM cassette.

2.2 Packing Instructions

- 2.2.1 Pack the ORCA Single Use 23L system (D) with the front of the case facing you.
- 2.2.2 Place one PCM Cassette in the base of the ORCA Single Use 23L System (D), with the coloured side running left to right (Bi).
- 2.2.3 Pack two PCM Cassettes, one at the front and one at the back, with the shortest side resting on the base of the VIP panel and the coloured sides running vertically (Bii).
- 2.2.4 Pack a further two PCM Cassettes against the sides of the ORCA Single Use insulation, one on each side, with the longest side resting on the base cassette and the coloured sides running front to back (Biii).
- 2.2.5 The payload can now be inserted into the space defined by these 5 cassettes. Place the remaining PCM Cassette flat on top, this cassette should rest on the left and right cassettes with the coloured sides running left to right (Bi).
- 2.2.6 Replace the Lid VIP Panel (A) and close the outer carton lid. Secure the lid following the tape area marked with dotted lines. Your ORCA Single Use is now ready to be shipped.