





Pack-out Instructions for MaxPlus MTP Cooler®



1. Materials Needed:

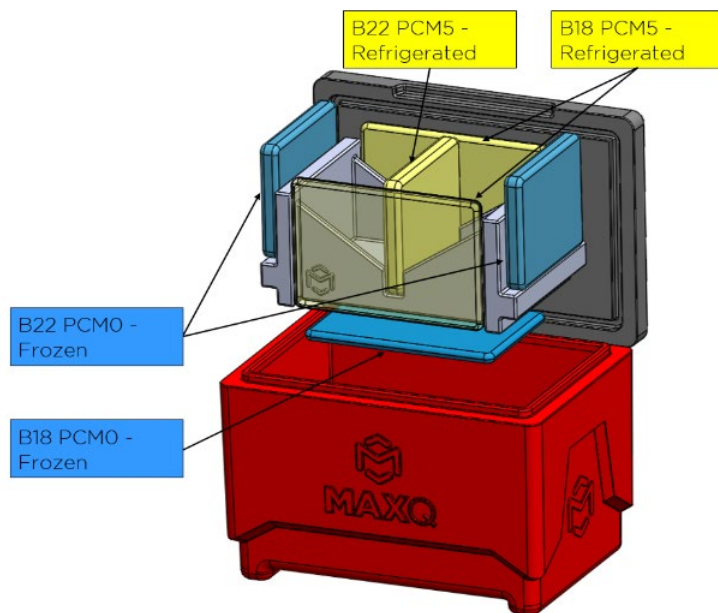
- MaxPlus MTP Cooler with black payload tray
- Coolant Bottles:

<p>B18 – PCM0 Color: Blue Size: Large Quantity: 1</p> 	<p>B18 – PCM5 Color: Yellow Size: Large Quantity: 2</p> 	<p>B22 – PCM0 Color: Blue Size: Small Quantity: 2</p> 	<p>B22 – PCM5 Color: Yellow Size: Small Quantity: 1</p> 	<p>B18 – PCM22 Color: White Size: Large Quantity: 1</p> 
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2. Coolant Conditioning:

- **Freezer: All blue bottles.** Charge 1 x B18 PCM0 and 2 x B22 PCM0 bottles in a freezer below -20C for a minimum of 12 hours.
- **Refrigerator: All yellow bottles.** Charge 2 x B18 PCM5 and 1 x B22 PCM5 bottles in a refrigerator between 1 to 6°C for a minimum of 12 hours.
- **Platelet incubator: White bottle.** Charge 1 x B18 PCM22 bottle in a platelet incubator (22°C) for a minimum of 12 hours.

3. Packing Red blood cells and Plasma units:



Store RBC units at 1-6°C and Plasma units at 1-6°C or cooling down towards 1-6°C:

1. Place one frozen blue large B18 PCM0 bottle in the bottom of the cooler.
2. Insert the payload tray.
3. Insert two frozen blue small B22 PCM0 bottles on the left and right side of the tray.
4. Insert two yellow large B18 PCM5 bottles in the front and back of the tray and one small B22 PCM5 in the middle.
5. Place RBC units and Plasma units (chilled or warm) on either side of the yellow B22 bottle.
6. Close the cooler lid.

4. Packing Platelet units:



Store Controlled Room Temperature Platelets between 20-24C:

1. Place one conditioned white large B18 PCM22 bottle into the platelet compartment.
2. Place a platelet unit on top of the coolant bottle.
3. Close the compartment lid.

Pro Tips:

1. When closing the Platelet compartment, push the lid all the way down until it catches the lip notch.
2. When unpacking the cooler, remember to remove the B18 PCM0 bottle in the bottom of the cooler underneath the payload tray and place it in the freezer.

Support: For assistance or questions, visit or contact sales@packmaxq.com

Temperature Monitoring System: Interested in a simple, easy to use, temperature monitoring system to record temperature history of red blood cells, plasma platelet units? Contact sales@packmaxq.com to learn about the new **MaxConnect™** blood temperature and cooler monitoring system.

Disclaimer: The MaxPlus MTP Cooler® (SKU # MTP18E12) has been qualified for up to **12 hours to hold RBC units (1 to 6°C) and Plasma units (1 to 6°C or cooling down towards 1 to 6°C for warm Plasma units), and Platelet unit (20 to 24°C)** at ambient between 18 to 25°C in the described laboratory cooler validation tests. The ambient temperature profile for a specific location may vary. MaxQ cannot guarantee that the payload can maintain required temperature range without any excursions if the ambient temperature exposure of the packed system is not within the tested temperature range.

Revision History:

Revision Number	Date	Revision Description	Revised by	Approved by
V1.0	7/28/2023	Original document	George Jett	Saravan Kumar