

	<b>Section:</b> Management System\Eastern Health Laboratories\Biochemistry\External Collector Documents\Specimen Transport\	
	<b>Title:</b> Packaging Specimens - Refrigerated	<b>Number:</b>
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## Packaging Specimens Requiring Refrigeration (2-8°C)

### Marsys Model: MCSCI-SN (TDG Certified)

1. Store specimens at appropriate temperature from time of collection until packed for transport (either room temperature or refrigerated according to test requirement).
2. Ensure specimen lid is tightly secured to prevent leakage. Use tape or parafilm where required to ensure it is leakproof.
3. Place liquid specimens (e.g., blood/urine) in rack to keep upright during transport. Other specimens pack individually into biohazard bags.
4. Place specimen or rack inside the Ziplock/biohazard bag with sufficient absorbent material to soak up all liquids in case of a spill.
5. Place specimens inside the inner hard-shell container.
6. Place packing material to take up dead space.
7. Place required refrigerant into external cooler bag according to table below.
8. Place requisitions in separate zip-lock bag and place at the top *outside* of the inner shell.
9. Zip up the shipping container and secure it with a zip-tie or other means of locking.
10. Ensure the TDG labelling (e.g., for UN3373 Category B) and address are visible.



REFRIGERANT Outside Temperature 10°C to 30°C	REFRIGERANT Outside Temperature -20°C to 10°C
<ul style="list-style-type: none"> <li>• Place 2 medium <b>frozen</b> gel packs or 1 large <b>frozen</b> cryopak on the bottom of the empty bag.</li> <li>• Place 1 refrigerated pack on each side of the bag (total 4)</li> <li>• Place 1 refrigerated pack on top of the container insert</li> </ul>	<ul style="list-style-type: none"> <li>• Place 2 medium <b>refrigerated</b> gel packs or 1 large <b>refrigerated</b> cryopak on the bottom of the empty bag.</li> <li>• Place 1 refrigerated pack on each side of the bag (total 4)</li> <li>• Place 1 refrigerated pack on top of the container insert</li> </ul>



### Examples of Packaging Supplies

Supply	Vendor	Catalogue Number
Gel Packs – PolarPack	Sonoco ThermoSafe	Various
Ice Blankets, U-TEK refrigerant	Sonoco ThermoSafe	405SQ
Absorbent Blue Pads 23x36	Medline Canada	MSC281236P
Absorbent Blue Pads 17x24	Medline Canada	MSC281230P
Absorbent Cotton Rolls	Fisher Scientific	07-900
Ziplock bag 10 x 13	Bio Nuclear Diagnostics	DIS-647
Ziplock bag 13 x 15	Bio Nuclear Diagnostics	DIS-627
Ty-rap (zip ties)	Grand and Toy	MNK925070-TWN