

Medicool®

General specification

- ? Polyethylene/EVA blended polymer bag - heat sealed
- ? Polyether foam core
- ? 0°C water based PCM*



Delivery

Medicool cool packs MC-3, MC-11, MC-20 and MC-28, are packed in strong outer shipping cartons, in quantities described in this leaflet. Cool packs can be split from the cartons and stored individually on shelves in a controlled temperature facility. Do not use sharp blades or knives when splitting containers as they could damage the watertight polymer envelope.

Preparation

Freeze or refrigerate cool packs as described in your packaging qualification study report or the packaging instructions.

- ? Frozen Medicool packs should be stored until normalised in a suitably specified storage environment at -18°C (+/-5°C) unless otherwise specified in your packaging qualification study report.
- ? Refrigerated Medicool packs should be stored until normalised at +5°C, (+/-3°C) unless otherwise specified in your packaging qualification study report.
It may be necessary to condition frozen Medicool packs at controlled room temperature.
- ? It may be necessary to condition frozen Medicool packs at controlled room temperature (+22°C, +/-5°C).

Recommended storage instructions

*PCM contains 0.20%(+/-0.05%) LA0614 Acticide content
(see www.laminarmedica.co.uk for Materials Safety data sheet)

Phase Change Cool Packs

Medicool® packs supplied in shipping cartons should be stored on conditioning shelves so that free air (50mm minimum) can circulate around the cartons.

Individual Medicool® packs should be stacked flat on storage shelves no more than 4 high, with 50mm of free air circulation. Alternatively, they can be kept in their outer shipping cartons.

We recommend the following minimum storage periods for cool packs:

- ? Frozen (-18°C, +/-5°C) - 48 hours.
- ? Refrigerated (+5°C, +/-3°C) - 24 hours.

These normalising periods are provided for guidance only and this information is based on ideal laboratory conditions.



Handling

Do not freeze Medicool® products below -40°C as this can cause failure of the watertight envelope.

Please handle Medicool® packs with care, particularly when frozen, to avoid damage which could render them unserviceable. Abusive handling - for example - dropping frozen Medicool® packs, storage on rough, sharp or abrasive surfaces may puncture the watertight polymer envelope and cause refrigerant leakage.

Take particular care if Medicool® packs freeze together. Separate them manually and avoid the use of sharp objects of any kind.

Re-use

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Medicool® packs can be re-used if handled with care. Two checks are required - a visual inspection to make sure the polymer envelope is not damaged and a weight check is required. Target weights and acceptable tolerances are provided. Inspect Medicool® packs carefully - punctures may not be obvious in cool packs that are frozen. If in doubt, always replace suspect Medicool® packs with new ones.



Condensation control
Condensation is caused by thawing where fluctuating temperature, humidity or moisture exists. Condensation control can be incorporated into the design of insulated shipping systems. In the case of large Medicool® packs higher levels of condensation are absorbed by the corrugated outer carton.



Order codes and Porter compatibility

Product ref:	Order code:	Sale pack quantity:	Compatible with Vaccine Porters:	Compatible with Blood Porters:
Medicool 11	UMC-511	20	Mini	Mini
Medicool 20	UMC-510	20	-	16, 27
Medicool 28	UMC-530	18	6, 9, 16	4, 6
Medicool 3	UMC-570	12	24	40

Product Range

	<p>Medicool® MC-11 A -220mm B -130mm C -35mm Nominal weight -525gm</p>
	<p>Medicool® MC-20 A -270mm B -130mm C -35mm Nominal weight -650gm</p>
	<p>Medicool® MC-3 A -320mm B -170mm C -35mm Nominal weight -1100gm</p>
	<p>Medicool® MC-28 A -185mm B -170mm C -35mm Nominal weight -600gm</p>

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