



Medication Shipment Manual

- Preconditioning
- Shipment Handling

Manual

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Preconditioning

“instructions for freezer, packaging, cooling agents and data logger”

PCM's

Description

PCMs are designed for the transport and storage of medication, tissue samples, specimen, probes for clinical trial and medication under +2 to +8°C (BLUE) or +2°C to +25°C (GREEN) conditions.



Preconditioning - Handling

- Preconditioning for a minimum of 24hrs at respective temperature
- Always place horizontally, not upright due to inner fluid!

Application

- White: -25°C to -15°C
- BLUE: +2°C to +8°C



Coolpacks

Preconditioning - Handling

- Preconditioning for a minimum of 12hrs at respective temperature

If the shipping goods are not filling all space of the box:

- 02°C to 08°C Shipments: Place Cool Packs at the top of the goods.





Temperature Logger – Libero Ti1



Preconditioning – Handling

- The temperature logger has to be placed to the goods for at least 6hrs before shipment to assimilate the product temperature.

Handling Instructions Medication Shipments



Thermal Box

1. Open the box and place the PCMs inside (bottom item plus 4 frames)
2. Place 1 preconditioned coolpack into the coolframes, if the space allows
 - a. For 02°C to 08°C place the coolpack (CP20) on top of the medication
3. Place the medication inside
4. Start the temperature logger and attach to the medication
5. If there is still remaining space, please fill it with some gelpacks
6. Close the coolframe set with the top PCM item, see image
7. Place your documents on the top of the closed coolframe set
8. Close the box
9. Attach the GNN waybill to the box



Temperature Logger - Start

1. Press **“TRANSIT”** button for at least 3 seconds till you see the “Transit” icon on the screen!
2. Place the temperature logger to the medication



Logger Manual in Attachment



Return Delivery of the Box

“handling instructions at a return“

Notification

GNN will send out a Notification to Theorem for return delivery including date and timeframe of delivery.

Verify Completeness and Storage

After receiving a box, you are kindly asked to follow these steps:

- Please remove all stickers from the box to prevent routing failures at the next shipment
 - Visually check the box if damaged
 - Remove the coolframe set and store it in the appropriate freezer
 - White elements:
 - WINTER: Store at ~-20°C freezer
 - SOMMER: Store at ~-25°C
 - Blue elements:
 - SOMMER & WINTER: Store at the ~+5°C
- NOTE:** Think of the preconditioning! Do NOT use the frames within the next 24hrs
- Remove the coolpacks and gelpacks and perform a visual check before placing in the freezer
 - Remove the temperature logger and store it for later usage
 - Verify completeness of all parts

DAMAGE OR LOSS

In case of damage or loss, please inform GNN by phone or email

Phone: +43 3136 62831 | Mail: office@gnn-group.com



Important Notes

Contacts

GNN Group

Phone: +43 (0) 3136 62 831

Fax: +43 (0) 3136 62 834

Mail: office@gnn-group.com

Temperature Logger Replacement

GNN will replace all temperature loggers before end of validation period



Attachment 1

- Manual: Libero USB PDF Temperature Logger

Logger and Display



1. Safety Cap
2. USB
3. Display / Screen
4. ARRIVED Button (to STOP)
5. TRANSIT Button (to START)
6. Backside with serial number

Buttons

Button Functions



- Start the Logger
(press till "Transit" icon appears on display)
- Scroll up

Button Functions



- Stop the Logger
(press till "Arrived" icon appears on display)
- Scroll down

Monitor Display



- Status "Transit", not stopped!
- Temperature within limitation
- Actual measure: 3.6 °C
- Battery life ends in 395 days



- **Status "Arrived", trip measurement stopped!**
- Temperature within limitation
- Actual measure: 7.3 °C
- Battery life ends in 323 days



- Status "Transit", not stopped!
- **Temperature above limitation**
- Actual measure: 12.4 °C
- Battery life ends in 255 days



- Status "Transit", not stopped!
- **Temperature below limitation**
- Actual measure: -2.2 °C
- Battery life ends in 187 days