

FULL PROTOCOL SUMMER

For a controlled temperature of 2-8°

1) Storage before use

- THE BOXES

In a dry and enclosed place, on a pallet or any suitable storage medium.

Temperature: 10°C- 20°C

- GELS 900GR PCM 5°C



The gels should be stored for min 72H in the freezer -21°C (+/- 3°C).

Before putting them in the boxes, the gels should be kept for 30 to 60 minutes at room temperature (+/- 20°C) (depending on the temperature of your preparation room).

OR

Min 72H in the freezer -21°C (+/- 3°C) followed by a minimum of 12H in the 5° refrigerator (in the part oscillating between 2,5° and 4°, or at a constant temperature of 3°C). It is not necessary to put them at room temperature, you can put them directly in the box.

OR

The gels should be stored for 2 to 3 weeks in a refrigerator at a temperature of 2 to 3°C. It is not necessary to put them at room temperature, you can put them directly in the box.

N.B.

These duration data may vary depending on the number of gels and their location in your refrigeration space.

* Once the gels have been placed in the refrigerator at 5°C, they can be stored for several days.

* N.B. if when using the gels, there is visible liquid when held vertically, the gels can no longer be used and must be refrozen.

To maximise storage time, it is important to measure and map the temperature in your 5° FRIDGE and to store the gels in the part where the temperature is the most constant around 3°C.

* Gels can be:

Either removed from their original box and placed directly flat on shelves in the refrigerator.

Or put back flat in their original box (the box cover must then be torn open)

- 1000GR WATER GELS



Min 72H in the freezer at -21°C (+/- 3°C)

N.B.

* Gels can be:

Either removed from their original box and placed directly flat on shelves in the refrigerator.

Or left horizontally in their original box (the box cover must then be torn open).

* When deciding to put the gels directly in the freezer, frost might stick on the gels and increase the source of cold at start-up. It is therefore necessary to remove the frozen water gels 10 minutes before putting them in the box. In the event of frost on the gels, wipe them thoroughly dry before putting them in the box.

2) Preparation of boxes

In principle, the assembly must be done in a room maintained between 2°C and 8°C, if the desired temperature must be obtained instantly when the box is closed.

If the temperature is higher than 8°C in the room; it will take 5 to 30 minutes to obtain the desired temperature, depending on the ambient temperature in the room when preparing the box.

N.B. : Preparing a large number of boxes at an ambient temperature above 8° C in the room could lead to energy consumption of the gels and could reduce the efficiency of these and therefore of the box. In that case, it is better to take out the gels as you go along and prepare a smaller number of boxes at a time.

PCM gels stored in the 5° refrigerator can be put directly into the box.

WATER gels stored at -21° must be taken out and separated from each other 10 minutes before putting them in the box. Remember to wipe them dry if there is any frost on them.

3) Choice of gel configuration

Summer configuration: if the temperature is more than 15° in the country of arrival.

Limits of the chosen configuration:

Summer configuration: 4H at 40° and 24H at 10°

N.B.

If the temperature in the country of departure exceeds the limits of the chosen configuration, it is necessary to take a transport vehicle at controlled temperature for that portion of the transportation in the country of departure.

If the temperature in the dispatching country (or in the stopover country) exceeds the limits of the chosen configuration, a temperature-controlled transport vehicle must be taken for that portion of the transportation in the dispatching country (and / or in the stopover country). In that case, the box serves as security but is not sufficient.

Number of gels for the chosen configuration

Summer configuration

4L: 3 PCM gels and 3 WATER gels

13L: 6 PCM gels and 6 WATER gels

27L: 10 PCM gels and 10 WATER gels

4) Placement of gels:

PCM 900gr gels must be placed on the inside of the diffusion walls and therefore against the product box.
1000gr WATER gels must be placed on the outside of the diffusion walls and therefore under no circumstances against the product box.

5) Instructions for transporting boxes

Never place the boxes directly on frozen or hot ground, but on a suitable Euro-pallet type support.
N.B. : ditto for transport by truck, avoid placing them directly on the floor or against the sides of the truck.

6) Summer configuration preparation order

The logical order is as follows (13L box model)

1) 900gr PCM gels on the interior
left and right sides of the diffusion plate
and against the product box



2) 1000 gr WATER gels on the exterior left and
right sides of the diffusion plate



3) 900 gr PCM gels from above over the product
box



4) The diffusion plate from above over the 900 gr PCM gels.



5) 1000 gr WATER gels above the diffusion plate



6) Place the closing cover



7) Close the box using the closure provided

