

## Passive Cold Chain (Shipping/storage materials)

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### ➤ Cool box – Vaccine carrier

The difference between a cool box and a vaccine carrier depends on volume and storage duration.

The choice will depend on the degree of cold autonomy required (number of hours during which the temperature will remain below +8°C for vaccines, for example) as well as storage capacity and volume (important depending on the method of transportation).

Vaccine carriers have a cold storage capacity of 24 to 36 hours at +32°C, ambient exterior temperature, without being opened. But could be open, we need to describe why and what precaution needed to open it.

Cool boxes have duration of 3 to 6 days at +32°C, ambient exterior temperature, without being opened.

Cool boxes and vaccine carriers require little maintenance apart from washing with soapy water, drying and the application of talc to the joint. When they are not in use, they should be left open to dry thoroughly (to prevent odours). Above all, care should be taken not to crush the joint.

The cool box must be filled in keeping with specific rules, depending on the type of product and the heat stability of the vaccines (sensitivity to freezing, to heat). When delivering large volumes of vaccines, a double control will be placed in the cool box (don't forget to leave the control card in the refrigerator at least one hour before removing the activation tongue).

Make sure that the size and volume are suitable for the type of cool box or vaccine carrier you are using.