

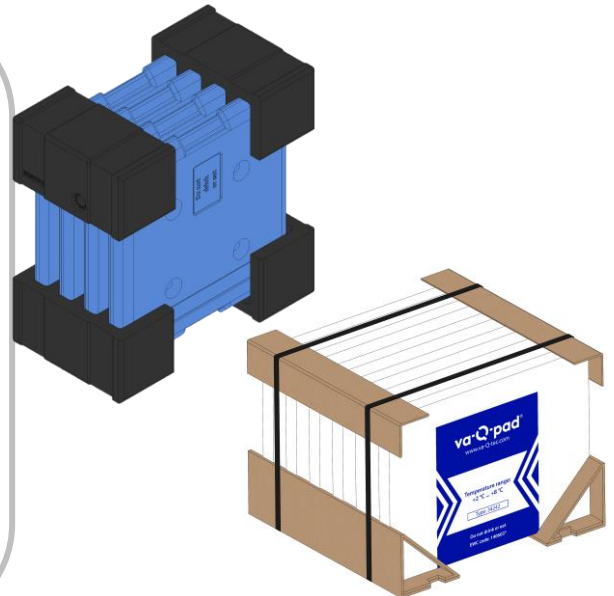
**Preconditioning instruction: va-Q-accus & va-Q-pads**  
**(Freeze&Thaw at 5°C) for +2 °C to +8 °C shipments**  
**PCM type +05G (color code: blue)**

**Step 1**

If the accus are delivered on a pallet, keep them inside the preconditioning rack (see example picture on the right). If they are delivered in a box, remove them and place them in the preconditioning rack. The preconditioning rack ensures correct airflow around the accus during preconditioning.

**Note:** It is necessary to keep the accus/pads inside the preconditioning racks during the entire preconditioning process.

Do not remove the cardboard from the va-Q-pads.



**Step 2**

Store the accus bundles/pad bundles preferably horizontally in a freezer at a temperature of -20.0 ±5.0 °C for at least 24 hours.

**Step 3**

Take the accus bundles/pad bundles out of the freezer and store them in a cool room at +5.0 °C ± 3.0 °C. The thawing duration depends on the accus thickness. Which duration applies to which box configuration is listed in the table below<sup>1</sup>:

Accu Thickness	Applicable va-Q-proof sizes <sup>2</sup>	Applicable va-Q-one sizes <sup>3</sup>	Applicable va-Q-med sizes <sup>4</sup>	Thawing duration
20 mm	11-240P standard	23-74	n/a	5 h ± 1 h
30 mm	11-240P premium, 4 standard	8	7, 21 standard 7, 21 premium	7 h ± 1 h
40 mm	4 premium	4	n/a	9 h ± 1 h

<sup>1</sup> If you are using a packaging solution by va-Q-tec other than va-Q-proof, va-Q-one or va-Q-med please contact [Packaging@va-Q-tec.com](mailto:Packaging@va-Q-tec.com) for recommended thawing times.

<sup>2</sup> va-Q-proof is available in the following sizes in a standard and premium configuration each: 4, 11, 16, 23, 30, 33, 43, 57, 74, 110P, 240P

<sup>3</sup> va-Q-one is available in the following sizes: 4, 8, 23, 43, 74

<sup>4</sup> va-Q-med is available in the following sizes in a standard and premium configuration each: 7, 21

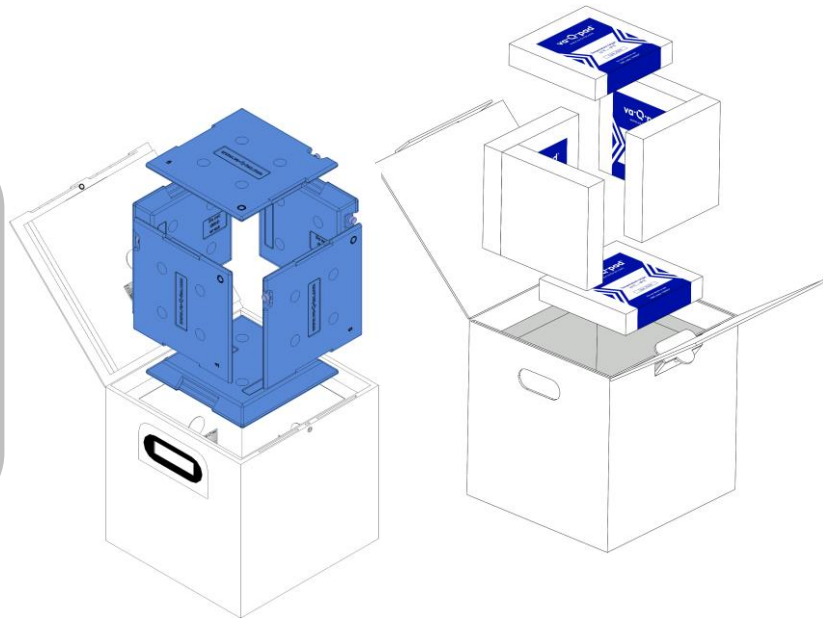
### Step 4

Remove the accu bundles/pad bundles from the cool room and check them. If the material in the accus is completely liquid please contact your supervisor

### Step 5

Remove the preconditioning racks and load the accus/pads into the box as per the respective SOP instructions.

Do not remove the cardboard from the va-Q-pads.



### Note:

Upon return check the va-Q-accus for visual deviations, for example leakages. Do not use damaged accus. A detailed check 3 years after the manufacturing date is recommended.

Before performing a shipment with the preconditioned va-Q-accus/pads +05G, it is suggested that the user performs a validation process with the equipment available and under the conditions available. A test in worst case conditions is recommended. The va-Q-accus/pads +05G provide the ability to buffer energy and to keep the temperature stable within a range of +2 °C to +8 °C depending on the exact amount and size of accus used and the ambient conditions. Customized solutions for modified temperature ranges and other requests can be addressed to our service team: [Packaging@va-Q-tec.com](mailto:Packaging@va-Q-tec.com).