

## Loading SOP va-Q-proof 4-74

For va-Q-proof standard & va-Q-proof premium

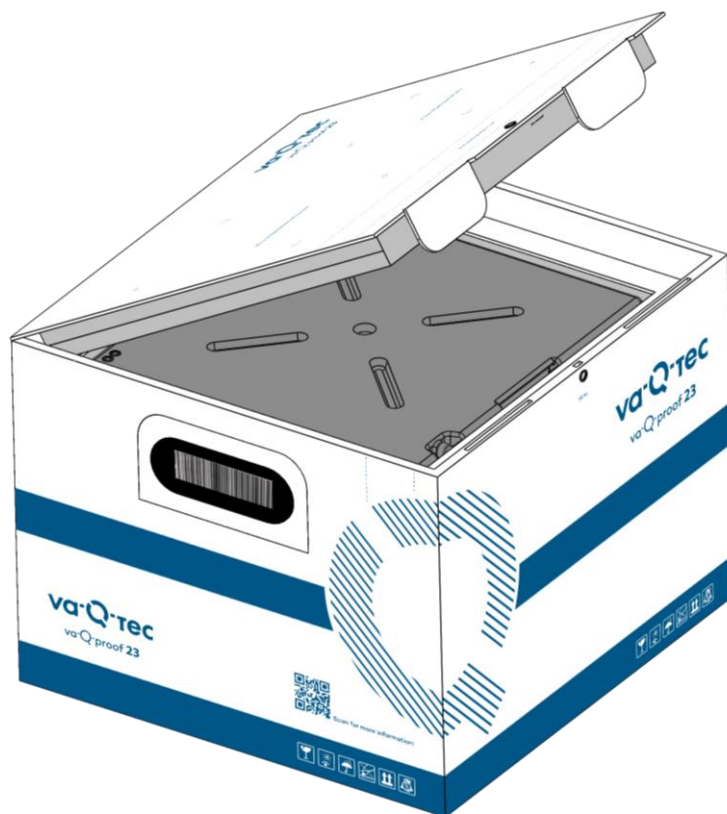
### **Note:**

This SOP is valid for **va-Q-proof 4, 11, 23, 43, 74** in **standard and premium configuration**. The va-Q-proof 23 is shown in the pictures as an example.

Prior to loading, the va-Q-accus must be preconditioned as per the respective SOP instructions for the desired temperature range. The desired temperature range depends on the PCM (phase change material) utilized and is indicated by the color code of the va-Q-accu. Table 1 summarizes the different PCMs of the va-Q-accus, their corresponding color codes and application temperatures.

A va-Q-proof box uses a total of six va-Q-accus. The size of the va-Q-accus used depends on the va-Q-proof size and whether it is in standard or premium configuration. Table 2 at the end of the document provides the relevant va-Q-accu sizes for each va-Q-proof size and configuration.

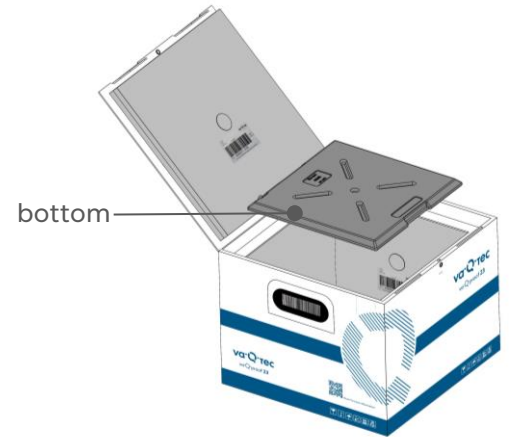
Throughout this SOP, the va-Q-accus required for each loading step will be referred to as va-Q-accu A (Bottom and Top position), va-Q-accu B (Back and Front position), and va-Q-accu C (Left and Right position). Please use the va-Q-accu A, va-Q-accu B, and va-Q-accu C specified in Table 2 for the corresponding va-Q-proof size and configuration when following the loading SOP.



## Step I

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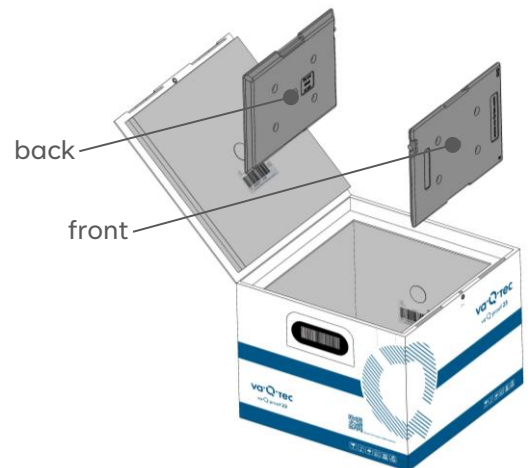
Open the lid of the va-Q-proof.  
Place 1 piece of **va-Q-accu A** on the bottom of the va-Q-proof.



## Step I

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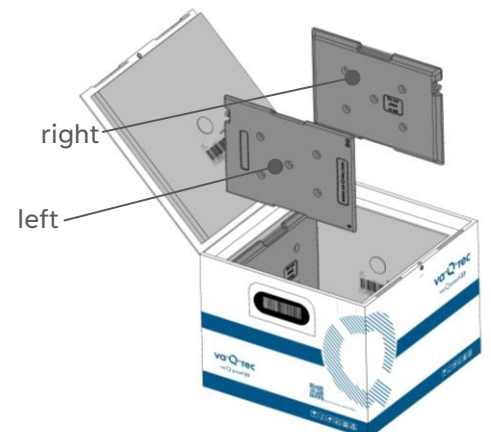
Load 1 piece of **va-Q-accu B** each at opposite sides.



## Step III

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Load 1 piece of **va-Q-accu C** each at the remaining sides.



## Step IV

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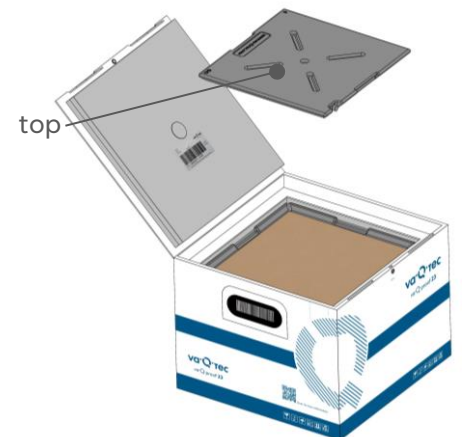
Load the product into the va-Q-proof.



## Step V

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Place 1 piece of **va-Q-accu A** on top of the product.



## Step VI

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Close the lid by folding the flaps inwards and sliding these into the respective slots of the outer shell.



## Step VII

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Seal the lid with adhesive tape (a fibre-reinforced tape is recommended to add additional stability) at the marked position.



## Step VIII

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Thread a seal through the loops to secure the va-Q-proof.



Table 1: Color code for different PCM configurations



















PCM	Application	Color Code	
		PCM	Cap
			
+37G	For +37°C shipments		
+22G	For +20°C shipments		
+05G	For +5°C shipments		
-21G	For -20°C shipments		
-26G	For -20°C shipments		
-37G	For -40°C shipments		
-50G	For -50°C shipments		
-67G	For -70°C shipments		

Table 2: Corresponding va-Q-accu sizes for va-Q-proof size and configuration

va-Q-proof size	Configuration	va-Q-accu A	va-Q-accu B	va-Q-accu C
		Top / Bottom	Back / Front	Left / Right
4	standard (3)	2222x <sup>1</sup>	2222x	2222x
	premium (4)			
11	standard (2)	2626x	2626x	2626x
	premium (3)			
23	standard (2)	3636x	3626x	3626x
	premium (3)			
43	standard (2)	4636x	4636x	3636x
	premium (3)			
74	standard (2)	4646x	4646x	4646x
	premium (3)			

<sup>1</sup>The 'x' serves as a placeholder and refers to the number in parentheses. The number in parentheses, in turn, refers to the configuration, either *standard* or *premium*.

**Example:**

va-Q-proof 4 **standard** +05G: 6 pcs. va-Q-accu 2222**3** +05G

va-Q-proof 4 **premium** +05G: 6 pcs. va-Q-accu 2222**4** +05G