



Product picture shows an exemplary solution for the temperature range +2 °C to +8 °C

DESCRIPTION

Ensure patient-safe medicines and accurate clinical trial results with ProofPak. Our innovative, reusable thermal packaging ensures precise temperature control from -70°C to +37°C, unaffected by seasons or climate. Qualified according to ISTA 7D standards, ProofPak ensures consistent reliability, safeguarding your temperature-sensitive pharmaceuticals from production through to delivery. Experience seamless logistics with 'ready to load & go', giving you time to focus on advancing your clinical research while we protect your products with unmatched precision and reliability.

DIMENSIONS AND WEIGHT

External Dimensions (l x w x h)		Internal Dimensions ¹ (l x w x h)		Tolerances	
[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
570 x 455 x 455	22.4 x 17.9 x 17.9	400 x 300 x 300	15.7 x 11.8 x 11.8	± 5	± 0.2

Tare Weight ¹		Payload ¹ (Volume)
[kg]	[lbs]	[L]
27.7 ± 1	61.1 ± 2.2	36

¹Including Temperature Batteries

TEMPERATURE BATTERY CONFIGURATION

va-Q-accu	Pieces	Dimensions ² (l x w x h)		Weight		Material number
		[mm]	[inch]	[kg]	[lbs]	
36363 +22G	2	355 x 355 x 30	14 x 14 x 1.2	2.5	5.5	AK000105
46363 +22G	4	455 x 355 x 30	17.9 x 14 x 1.2	3.4	7.5	AK000006

²dimensions of empty Temperature Battery shell, variation due to PCM inside and aggregation state possible

PERFORMANCE

The ProofPak 43 Premium +22G is qualified in the temperature range from +15 °C to +25 °C

Temperature scenario	Duration [hrs]	Kelvin-hours ³	Average ambient temperature [°C]
ISTA 7D summer	≥ 120	≥ 1200	+30
ISTA 7D winter	≥ 122	≤ -1915	+4.3

³Detailed information about the concept of Kelvin-hours on www.kelvinhours.com

For more details, please view the qualification report. Before performing a shipment with the ProofPak 43 Premium +22G 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 box provides a very stable and well-designed system solution which has to be adapted on the particular requirements of the user.

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For +2 °C to +8 °C shipments

DIMENSIONS AND WEIGHT

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[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
570 x 455 x 455	22.4 x 17.9 x 17.9	400 x 300 x 300	15.7 x 11.8 x 11.8	± 5	± 0.2

Tare Weight ¹		Payload ¹ (Volume)
[kg]	[lbs]	[L]
27.4 ± 1	60.4 ± 2.2	36

¹Including Temperature Batteries

TEMPERATURE BATTERY CONFIGURATION

va-Q-accu	Pieces	Dimensions ² (l x w x h)		Weight		Material number
		[mm]	[inch]	[kg]	[lbs]	
36363 +05G	2	355 x 355 x 30	14 x 14 x 1.2	2.4	5.3	AK000100
46363 +05G	4	455 x 355 x 30	17.9 x 14 x 1.2	3.3	7.3	AK000113

²dimensions of empty Temperature Battery shell, variation due to PCM inside and aggregation state possible

PERFORMANCE

The ProofPak 43 Premium +05G is qualified in the temperature range from +2 °C to +8 °C

Temperature scenario	Duration [hrs]	Kelvin-hours ³	Average ambient temperature [°C]
ISTA 7D summer	> 144	> 3586	+29.9
ISTA 7D winter	> 144	n.a.	+4.5

³Detailed information about the concept of Kelvin-hours on www.kelvinhours.com

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[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
570 x 455 x 455	22.4 x 17.9 x 17.9	400 x 300 x 300	15.7 x 11.8 x 11.8	± 5	± 0.2

Tare Weight ¹		Payload ¹ (Volume)
[kg]	[lbs]	[L]
35.1 ± 1	77.4 ± 2.2	36

¹Including Temperature Batteries

TEMPERATURE BATTERY CONFIGURATION

va-Q-accu	Pieces	Dimensions ² (l x w x h)		Weight		Material number
		[mm]	[inch]	[kg]	[lbs]	
36363 -21G	2	355 x 355 x 30	14 x 14 x 1.2	3.5	7.7	AK000102
46363 -21G	4	455 x 355 x 30	17.9 x 14 x 1.2	4.7	10.4	AK000015

²dimensions of empty Temperature Battery shell, variation due to PCM inside and aggregation state possible

PERFORMANCE The ProofPak 43 Premium -21G is qualified in the temperature range from -25 °C to -15 °C

Temperature scenario	Duration [hrs]	Kelvin-hours ³	Average ambient temperature [°C]
ISTA 7D summer	≥ 129	≥ 6411	+29.7

³Detailed information about the concept of Kelvin-hours on www.kelvinhours.com

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For -20 °C shipments

DIMENSIONS AND WEIGHT

External Dimensions (l x w x h)		Internal Dimensions ¹ (l x w x h)		Tolerances	
[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
570 x 455 x 455	22.4 x 17.9 x 17.9	400 x 300 x 300	15.7 x 11.8 x 11.8	± 5	± 0.2

Tare Weight ¹		Payload ¹ (Volume)
[kg]	[lbs]	[L]
35 ± 1	77.2 ± 2.2	36

¹Including Temperature Batteries

TEMPERATURE BATTERY CONFIGURATION

va-Q-accu	Pieces	Dimensions ² (l x w x h)		Weight		Material number
		[mm]	[inch]	[kg]	[lbs]	
36363 -26G	2	355 x 355 x 30	14 x 14 x 1.2	3.5	7.7	AK000392
46363 -26G	4	455 x 355 x 30	17.9 x 14 x 1.2	4.7	10.4	AK000394

²dimensions of empty Temperature Battery shell, variation due to PCM inside and aggregation state possible

PERFORMANCE The ProofPak 43 Premium -26G is qualified in the temperature range below -20 °C

Temperature scenario	Duration [hrs]	Kelvin-hours ³	Average ambient temperature [°C]
ISTA 7D summer	≥ 138	≥ 7562	+29.8

³Detailed information about the concept of Kelvin-hours on www.kelvinhours.com

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For -50 °C shipments

DIMENSIONS AND WEIGHT

External Dimensions (l x w x h)		Internal Dimensions ¹ (l x w x h)		Tolerances	
[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
570 x 455 x 455	22.4 x 17.9 x 17.9	400 x 300 x 300	15.7 x 11.8 x 11.8	± 5	± 0.2

Tare Weight ¹		Payload ¹ (Volume)
[kg]	[lbs]	[L]
35.5 ± 1	78.3 ± 2.2	36

¹Including Temperature Batteries

TEMPERATURE BATTERY CONFIGURATION

va-Q-accu	Pieces	Dimensions ² (l x w x h)		Weight		Material number
		[mm]	[inch]	[kg]	[lbs]	
36363 -50G	2	355 x 355 x 29	14 x 14 x 1.1	3.5	7.7	AK000196
46363 -50G	4	455 x 355 x 30	17.9 x 14 x 1.2	4.8	10.6	AK000199

²dimensions of empty Temperature Battery shell, variation due to PCM inside and aggregation state possible

PERFORMANCE The ProofPak 43 Premium -50G is qualified in the temperature range below -40 °C

Temperature scenario	Duration [hrs]	Kelvin-hours ³	Average ambient temperature [°C]
ISTA 7D summer	≥ 74	≥ 5912	+29.9

³Detailed information about the concept of Kelvin-hours on www.kelvinhours.com

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For -70 °C shipments

DIMENSIONS AND WEIGHT

External Dimensions (l x w x h)		Internal Dimensions ¹ (l x w x h)		Tolerances	
[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
570 x 455 x 455	22.4 x 17.9 x 17.9	400 x 300 x 300	15.7 x 11.8 x 11.8	± 5	± 0.2

Tare Weight ¹		Payload ¹ (Volume)
[kg]	[lbs]	[L]
36.8 ± 1	81.1 ± 2.2	36

¹Including Temperature Batteries

TEMPERATURE BATTERY CONFIGURATION

va-Q-accu	Pieces	Dimensions ² (l x w x h)		Weight		Material number
		[mm]	[inch]	[kg]	[lbs]	
36363 -67G	2	355 x 355 x 30	14 x 14 x 1.2	3.7	8.2	AK000465
46363 -67G	4	455 x 355 x 30	17.9 x 14 x 1.2	5	11	AK000467

²dimensions of empty Temperature Battery shell, variation due to PCM inside and aggregation state possible

PERFORMANCE The ProofPak 43 Premium -67G is qualified in the temperature range below -60 °C

Temperature scenario	Duration [hrs]	Kelvin-hours ³	Average ambient temperature [°C]
ISTA 7D summer	≥ 59	≥ 5564	+29.3

³Detailed information about the concept of Kelvin-hours on www.kelvinhours.com

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DIMENSIONS AND WEIGHT

External Dimensions (l x w x h)		Internal Dimensions ¹ (l x w x h)		Tolerances	
[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
570 x 455 x 455	22.4 x 17.9 x 17.9	355 x 255 x 290	14 x 10 x 11.4	± 5	± 0.2

Tare Weight ¹		Payload ¹ (Volume)
[kg]	[lbs]	[L]
30.7 ± 1	67.7 ± 2.2	26

¹including Dry Ice

DRY ICE CONFIGURATION

Dry Ice compartment	Dry Ice pellet diameter		Weight	
	[mm]	[inch]	[kg]	[lbs]
Upper compartment	3	0.1	6.3	13.9
Side compartments	3	0.1	14.2	31.3

PERFORMANCE

The ProofPak 43 Dry Ice is qualified in the temperature range below -60 °C

Temperature scenario	Duration [hrs]	Kelvin-hours ²	Average ambient temperature [°C]
ISTA 7D summer	≥ 144	≥ 15149	+30.2

²Detailed information about the concept of Kelvin-hours on www.kelvinhours.com

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External Dimensions (l x w x h)		Internal Dimensions ¹ (l x w x h)		Tolerances	
[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
570 x 455 x 455	22.4 x 17.9 x 17.9	400 x 300 x 300	15.7 x 11.8 x 11.8	± 5	± 0.2

Tare Weight ¹		Payload ¹ (Volume)
[kg]	[lbs]	[L]
28.3 ± 1	62.4 ± 2.2	36

¹Including Temperature Batteries

TEMPERATURE BATTERY CONFIGURATION

va-Q-accu	Pieces	Dimensions ² (l x w x h)		Weight		Material number
		[mm]	[inch]	[kg]	[lbs]	
37G 36363	2	355 x 355 x 30	14 x 14 x 1.2	2.5	5.5	AK000202
+37G 46363	4	455 x 355 x 30	17.9 x 14 x 1.2	3.4	7.5	AK000062

²dimensions of empty Temperature Battery shell, variation due to PCM inside and aggregation state possible

PERFORMANCE

The ProofPak 43 Premium +37G is qualified in the temperature range from +30 °C to +40 °C

Temperature scenario	Duration [hrs]	Kelvin-hours ³	Average ambient temperature [°C]
ISTA 7D winter	≥ 94	≤ -3046	+4.6

³Detailed information about the concept of Kelvin-hours on www.kelvinhours.com

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