

Safepak® System 1800 - Technical Specifications

The Safepak® System 1800 is Cryoport Systems' answer to the cell and gene therapy market requests for a safer alternative to metal racks. Inspired by these requests and fueled by our commitment to providing our clients with the best products, Cryoport Systems developed our latest cryogenic secondary packaging innovation. Rigorously tested for product safety, the Safepak® Soft System 1800, featuring the innovative SoftRack™ combined with our Cryoport Express® Cryogenic HV3 Shipping System, achieves an industry-first level of compliance and protection.

Ordering Information

SET-1000	Safepak® Soft System 1800 Safepak® 1800 Bag, SoftRack™ and HV Sleeve
SET-1001	Safepak® System 1800 Bag Safepak® 1800 Bag and HV Sleeve

Product Specifications

Safepak® 1800 Bag

Absorption/Containment	1,800 ml
Exterior Dimensions Unloaded (Shipped Flat)	8.5" diameter x 13" height
Exterior Dimensions Loaded	8.5" diameter x 11.75" height
Interior Dimensions	8.5" diameter x 11.75" height
Weight	0.036 kg

SoftRack™

Exterior Dimensions Empty	7.4375" width x 2" depth x 13.5" height
Exterior Dimensions Loaded	7.4375" width x 5" depth x 13.5" height
Interior Dimensions Individual Slots	7" width x 0.625" depth x 9.625" height Note: Size is approximate due to manufacturing tolerances.
Weight	0.28 kg



Empty



Loaded

Payload Capacity

Safepak® 1800 Bag Capacity

Validated Pack Out

- 1 SoftRack™
 - 8 cassettes (250 ml)

Payload Fit Tested Only*

- Up to 5 standard cryovial boxes (5" W x 5" L x 2" H)
- Up to 15 Cryoport cryovial boxes (5.75" W x 2" L x 2" H)

SoftRack™ Capacity

Validated Pack Out

- 8 cassettes (250 ml)

Payload Fit Tested Only*

- 8 cassettes (50 ml and 500 ml)

* Packaging and payload dimensions verified, but protection untested. For pack out validation testing of specific configurations please contact your Cryoport Systems representative.

Regulatory Testing

IATA CAT B	The testing evaluates the adequacy of the packaging to protect the payload (a Category B infectious substance) during a simulated distribution test, which includes drop, leakproofness, pressure differential, thermal shock, and vibration assessments, in accordance with the IATA Packing Instruction 650, Category B Infectious Substance Testing procedure.
ISTA 3A	This test simulates typical shipping activity by subjecting the shipping systems to the worst-case scenarios associated with shipping and distribution.
ASTM D4169-23e1	The testing process subjects the shipping containers and systems to simulated environmental hazards such as vibration, shock, compression, and atmospheric conditions. These tests are designed to mimic real-world distribution scenarios, ensuring packaging systems maintain product integrity during handling, transportation, and storage.

Compatible Accessories

	ACC-9141 Cryostrap® ○ Holds up to 5 standard cryovial boxes (5" W x 5" L x 2" H) ○ Hold up to 12 Cryoport cryovial boxes (5" W x 2" L x 2" H)
	ACC-9043 Cryovial Box Cryovial box with insert. ○ Holds up to 30 cryovials ○ Up to 2.0 ml