

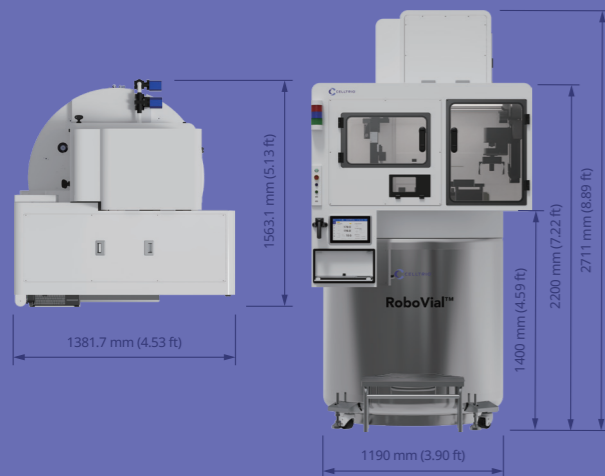
Proven Excellence, Future-Ready Automation.

RoboStor™ Specifications



Storage Capacity	Labware	Racks	Slots per Hotel	Sample Cryovials
	SBS Cryobox	21	12	24,192
	9 x 9 Cryobox	18	13	18,954
LN ₂ Capacity	Total LN ₂ Capacity		900 liters	
	LN: Under Turntable Capacity		167 liters	
Celltrio SkyView Controller	Touchscreen User Interface		10.1" panel	
	Communication		Ethernet, RS-485	
	Battery Backup		12V, 7Ah, up to 36 hours	
	Power		AC 110/230V, 6A, 50/60Hz	
System Weight	810 kg (not loaded)			
Other	Storage Temperature		-195°C	
	Vacuum insulation helps reduce LN ₂ consumption		5 Year Warranty	

RoboVial™ Specifications



Container Requirements	Format	SBS-96 Cryobox 9 x 9 Cryobox
	Vial Requirements	Cap Size (Outer Diameter) 8 - 13 mm Cap Type Round (internal, external) Height in Container Cryobox without Lid < 54 mm Supports One Vial Type Per RoboStor and RoboVial Unit
Cycle Times	Individual CryoVial Transfer Time	Average: 4 seconds / cryovial
	Container Store / Retrieve Time	60 seconds
	Container + All CryoVials' Barcode Scan Time	Maximum: 12 seconds
RoboVial Weight	1,300 kg	
CryoNest (MCC*)	Max Vial Holding Temperature	-135°C
	Max No containers handle at one LN ₂ fill	10 boxes
	CRF Compatibility	SBS : 48 vials @ -1°C/min 9x9 : 41 vials @ -1°C/min



The Next Evolution of Cell Management.

Experience the future of cell line automation with Celltrio's proven robotic task modules and data-driven integrity.



RoboStor™

RoboVial™

Ready for the Next Evolution? Contact our experts today.



HEADQUARTERS

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Evolution Through Integration | The Power of One

Redefining standards for science and medicine through a seamless, modular robotic platform.



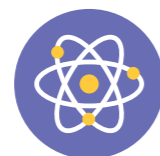
Key Strategic Advantages

RoboStor™



Uncompromising Safety & Integrity

- Robotic automation ensures sample location and data integrity while minimizing contamination risk.
- Integrated door safety sensors and patent-pending humidity control protect both operators and samples from icing and accidents.



Intelligence-Driven Management

- SkyView C3™ software provides 24/7 continuous monitoring, audit trails, and logging of device status and user actions.
- Seamlessly connects with facility alarm systems and remote monitoring for ultimate peace of mind.



Streamlined Productivity

- Optimized robotic storage and retrieval via an intuitive 10.1 inch touchscreen interface with secure access controls.
- Supports bulk inventory management through CSV file import/export and advanced barcode tracking.

Scalable Modular Solutions | Tailored for Your Lab



RoboStor™ | The Foundation of Automation

- **Focus** High-Density Bulk Storage.
- **Capacity** Automated storage and retrieval of cryobox containers for large-scale biobanking.
- **Reliability** Proven liquid nitrogen (LN₂) cryogenic technology maintaining a stable -195°C environment.

RoboVial™ | Precision Individual Management

- **Focus** Single Vial Handling and Integrated Freezing Control.
- **Key Feature** Adds automated single vial picking and retrieval with 100% barcode-based traceability.
- **Integrated CRF Performance** Delivers professional-grade freezing with a temperature down rate of -1°C/min (down to -100°C).
- **CryoNest Technology** A mini cryo chamber (MCC) that maintains -135°C during handling, ensuring zero thermal stress and maximum cell viability.
- **Batch Efficiency** Supports high-throughput processing with a capacity of 47 vials (SBS Format) or 40 vials (9x9 Format) per cycle.

