



SteriStore™



***Self-Sterilizing
Automated Incubator***

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Self-Sterilizing Incubator

Clean At HighRes, we think your instruments should clean up after themselves.

SteriStore sterilizes itself with dry heat — 180°C for 3 hours, not including ramp-up and ramp-down. That exceeds even the most stringent dry heat sterilization protocols. And there's no need to remove anything prior to sterilization; everything stays in the chamber to get sterilized. Plus wipedown is easy because there are no motors, gears, belts, or other mechanisms with nooks and crannies that are easy to contaminate and hard to clean.

Cool Don't worry about catching heat from SteriStore.

SteriStore is insulated with aerogel (also known as frozen smoke), the lowest-density solid known. Aerogel is also listed in the Guinness Book of World Records as the best insulator known to man. Comprised of air pores trapped in a dendritic microstructure, aerogel virtually blocks all three forms of heat transfer: conduction, convection, and radiation. And dual sets of automated doors minimize exposure of the internal chamber to the environment. That's pretty much the best protection you can give your samples. And yourself.

Fast Why should your robot wait around for a slow incubator?

SteriStore delivers and stores plates at ultra high-throughput speeds. And with two separate transfer nests, SteriStore is designed to wait on the robot, not the other way around. And auto-id of barcoded plate stackers prevent crashing of the spatula due to configuration mistakes.

Friendly Don't fight with your incubator.

SteriStore's interface is an easy-to-use graphical web page. Just point and click — no need to memorize cryptic codes. Navigate from set up to teaching to operation with ease. Network with Ethernet communications, not serial. And with web-based temperature and gas-level monitoring, plus email alerts of alarm conditions, you can be in constant contact with SteriStore.



Key Features:

- Load up to 462 or 924 standard microplates in an incredibly small footprint
- Self-sterilization cycle heats chamber to over 150°C, with no need to remove delicate parts
- Aerogel insulation (also known as frozen smoke), the lowest-density solid known
- Sophisticated control system with graphical environmental history and advanced alarming capabilities
- Fast retrieval/storage time
- Integrated barcode scanning for fast inventory tracking
- Easy to load and remove stackers
- Compatible with MicroCart™ and MicroDock™
- Convenient Ethernet communications
- Available with portrait or landscape presentation
- Multiple input/output nests user-configurable for load/unload at any height



SteriStore M

Specifications:

	SteriStore D	SteriStore M
Dimensions (H x W x L)	53 x 34 x 36"	76 x 34 x 36"
Weight (empty)	880 lbs	1080 lbs
Capacity	14 hotels	28 hotels
	462 1536-well plates	924 1536-well plates
	336 96/384-well plates	672 96/384-well plates
	Deep-well/tip box options	Deep-well/tip box options
Power	120/240VAC, 50/60Hz	120/240VAC, 50/60Hz
Compressed Air	70 psi	70 psi
Communications	Ethernet	Ethernet
Temperature Range	4 to 100°C	4 to 100°C
Humidity Range	RH up to 98%	RH up to 98%
Sterilization Cycle	Over 150°C for 3 hours	Over 150°C for 3 hours
Gas Options	CO ₂ injection, N ₂ injection/O ₂ regulation	CO ₂ injection, N ₂ injection/O ₂ regulation
Inventory Tracking Options	Fast automated barcode scanner	Fast automated barcode scanner



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