



TundraStore™



Automated Cold Store

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Cool Don't worry about catching heat from TundraStore.

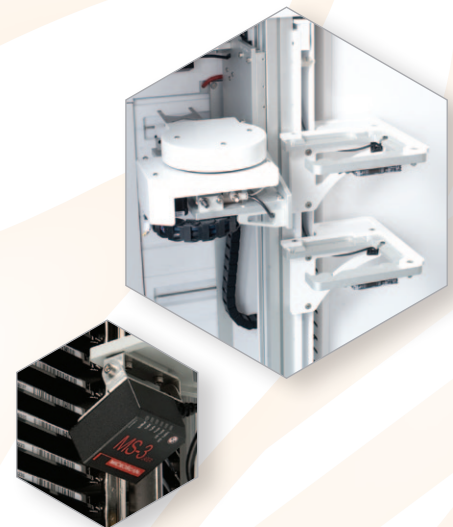
TundraStore is insulated with aerogel (also known as frozen smoke), the lowest-density solid known. Aerogel is also listed in the Guinness Book of World Records as the best insulator known to man. Comprised of air pores trapped in a dendritic microstructure, aerogel virtually blocks all three forms of 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 store?

TundraStore delivers plates in 12 seconds (and stores them just as speedily). That's ultra high-throughput fast. And with two separate transfer nests, TundraStore 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 store.

TundraStore'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 TundraStore.



Key Features:

- Load up to 462 or 924 standard microplates in an incredibly small footprint
- 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



TundraStore M

Specifications	TundraStore D	TundraStore M
Dimensions (H x W x L)	53 x 34 x 36"	76 x 34 x 36"
Weight (empty)	850 lbs	1050 lbs
Capacity	14 hotels 462 1536-well plates 336 96/384-well plates Deep-well/tip box options	28 hotels 924 1536-well plates 672 96/384-well plates Deep-well/tip box options
Power	120/240VAC, 50/60Hz	120/240VAC, 50/60Hz
Compressed Air	70 psi	70 psi
Communications	Ethernet	Ethernet
Temperature Options		
Ambient	Internal Ambient	Internal Ambient
Low Temperature	-20 to 4°C	-20 to 4°C
Humidity Range	RH < 20%	RH < 20%
Gas Options	N ₂ or dry air purge	N ₂ or dry air purge
Inventory Tracking Options	Fast automated barcode scanner	Fast automated barcode scanner



HighRes
biosolutions

299 Washington Street
Woburn, MA 01801
Tel 781.932.1912
Fax 781.938.0813
www.highresbio.com

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