

Steri  
Ambi  
Tundra

# Store™

AUTOMATED SAMPLE STORAGE



ABSOLUTELY  
PROTECTIVE



HighRes®  
biosolutions

# Devoted Ecosystems



At any time, SteriStore, AmbiStore, and TundraStore may be used in standalone applications or integrated into a powerful Nucleus® automation infrastructure so that your work can reach its full potential.

# Attentive Beyond Safekeeping

The substantial responsibility of nurturing sample, workflow, and data integrity shouldn't be your solitary and perpetual pursuit. Instead, rely upon robust and responsive environmentally controlled sample storage devices from HighRes® Biosolutions.

## **SteriStore™**

self-sterilizing  
automated incubator



## **AmbiStore™**

random access ambient  
sample storage carousel



## **TundraStore™**

automated low  
temperature freezer



Contact [sales@highresbio.com](mailto:sales@highresbio.com)

or your local HighRes Biosolutions automation specialist  
for more information or to schedule a first-class demonstration.

# SteriStore™

self-sterilizing automated incubator



## Exclusive Access to Lifelong Disinfection

With the industry's only verified self-sterilization procedure to eradicate even extremophiles and prions, SteriStore is ideal for cell and tissue culture applications. Dry heat sterilization at 150°C over 3 hours exceeds the most stringent sterilization protocols. A highly refined interior wall construction helps to repel the risk of unwanted pathogens and contaminants.



## Immerse Samples in Gentle Care

SteriStore offers an expansive temperature range of 4 to 80°C and may be further upgraded up to 100°C for specialized applications. Environmental control extends to HEPA filters and gas control. Extraordinarily low-density aerogel and dual sets of automated doors protect your precious sample arsenal from temperature fluctuations. Temperature and gas levels are fully monitored and logged while email alerts harbor peace of mind.



## Leading Class in Curated Flexibility

Two SteriStore models offer sleek minimalist design and powerful maximalist functionality. Each is compatible with a large array of consumables and, with rapid inventory control and plate presentation speeds, delivers the utmost in efficiency. Up to six separate, configurable transfer nests and a dedicated spatula power rapid delivery of your invaluable cargo. Integrated barcode scanning enables inventory tracking while auto-identification of barcoded plate stackers prevents errors.



## A Sophisticated Touch

Users of any skill level can quickly command, load, and monitor SteriStore through the streamlined and intuitive interface with point and click control. A simple ethernet connection plugs SteriStore into your larger universe.

## Key SteriStore Features to Match Your Needs



- Two models of different capacity available
- Temperature range of 4 to 80°C, optional upgrade to 100°C
- Humidity control
- CO<sub>2</sub> control standard, N<sub>2</sub>, O<sub>2</sub> control optional
- Accepts configurable plate stackers, 96-/384-/1536-well plates, deep-well plates
- Cart and Dock compatible for Nucleus automation infrastructure integration
- Integrates with Cellario™ software and third party schedulers
- Portrait or landscape plate presentation
- White Glove QC inspection prior to shipment



CELL/TISSUE  
CULTURE AND MORE



WIDE TEMPERATURE  
RANGE



ADAPTABLE  
AND ROBUST



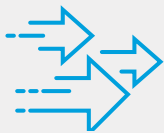
SIMPLE  
TO USE

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# AmbiStore™

random access ambient sample storage carousel



## Discover Exceptional Speed

Put an immediate end to time-consuming delays by integrating AmbiStore with your workflow devices. This sleek and diminutive powerhouse scans and delivers or stores labware in as few as 12 seconds to intensify your efficiency and throughput.



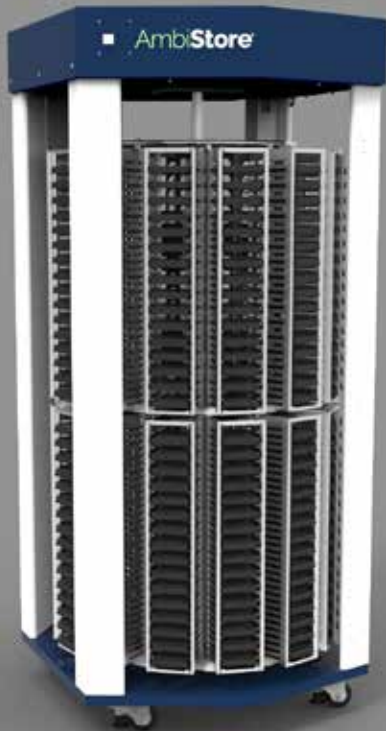
## Attuned to Your Dynamic Needs

Two compact AmbiStore models rapidly answer your call for storage and random access of a large array of plate stackers, microplates, deep-well plates, pipette tip boxes, and tube racks. Up to six separate, configurable transfer nests and a dedicated spatula power rapid delivery of your critical consumables. Integrated barcode scanning enables inventory tracking while auto-identification of barcoded plate stackers prevents errors.



## Built So You Can Walk Away

Users of any skill level can quickly command, load, and monitor AmbiStore through the streamlined and intuitive interface with point and click control. A simple ethernet connection plugs AmbiStore into your larger universe.



## Key AmbiStore Features to Match Your Needs

- Two models of different capacity available
- Open to room environment
- Accepts configurable plate stackers, 96-/384-/1536-well plates, deep-well plates, tip boxes, and tube racks
- Cart and Dock compatible for Nucleus automation infrastructure integration
- Easy integration with Prime automated liquid handler or third-party liquid handlers
- Integrates with Cellario software and third party schedulers
- Portrait or landscape presentation
- Optional guarding for user protection; may be tinted for light protection
- White Glove QC inspection prior to shipment



ULTRA-RAPID



ADAPTABLE TO YOUR NEEDS



SIMPLE TO USE

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# TundraStore™

automated low temperature freezer



## Tuck Samples Away with Stone-Cold Certainty

TundraStore accommodates a meticulous temperature range of -20 to 4°C using liquid nitrogen or dry air. Extraordinarily low-density aerogel and dual sets of automated doors protect your precious sample arsenal from temperature fluctuations. Temperature and gas levels are fully monitored and logged while email alerts harbor peace of mind.



## A Treasury of More at Your Disposal

Rapidly scan, deposit, and manage a large array of plate stackers, microplates, deep-well plates, tubes, and tip boxes with the utmost in steadfast efficiency. Up to six separate, configurable transfer nests and a dedicated spatula power rapid delivery of your invaluable cargo. Integrated barcode scanning enables inventory tracking while auto-identification of barcoded plate stackers prevents errors.



## Deftly Master with Ease

Users of any skill level can quickly command, load, and monitor TundraStore through the streamlined and intuitive interface with point and click control. A simple ethernet connection plugs TundraStore into your larger universe.



## Key TundraStore Features to Match Your Needs

- Two models of different capacity available
- Temperature range of -20 to 4 °C
- N<sub>2</sub> and dry air
- Accepts configurable plate stackers, 96-/384-/1536-well plates, deep-well plates, 0.5/1.4 mL tubes in SBS-formatted racks, tip boxes
- Cart and Dock compatible for Nucleus automation infrastructure integration
- Integrates with Cellario software and third party schedulers
- Portrait or landscape presentation
- White Glove QC inspection prior to shipment



CONSISTENT TEMPERATURE



ADAPTABLE TO YOUR NEEDS



SIMPLE TO USE

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# Our People Help You Grow



## Peopleware everywhere

The all-encompassing Nucleus experience extends beyond hardware and software. HighRes specialists around the world provide services so splendid and detail-focused that they rival that of the concierge service in the finest establishments.



## Peak Performance

Push past your competition! After the one-year warranty, continue to perform at the top of your game through results-driven service contracts.



## One Call For All

With complete integration of HighRes devices to Cellario, you don't have to manage multiple contracts. Instead, one phone call to our support engineers is all you need.

# Specifications and Configurations

	SteriStore		AmbiStore		TundraStore	
Model	SteriStore D	SteriStore M	AmbiStore D	AmbiStore M	TundraStore D	TundraStore M
<b>Labware Capacity</b>						
<b>Hotels</b>	14	28	14	28	14	28
<b>1536-well plates</b>	462	924	462	924	462	924
<b>96-/384-well plates</b>	336	672	336	672	336	672
<b>Deep-well plates</b>	140	280	140	280	140	280
<b>0.5 mL tubes</b>	25,500	51,000	25,500	51,000	25,500	51,000
<b>1.4 mL tubes</b>	13,400	26,800	13,400	26,800	13,400	26,800
<b>Pipette tip boxes</b>	126	252	126	252	126	252
<b>Performance Specifications</b>						
<b>Temperature range</b>	4 to 80°C, optional upgrade to 100°C		n/a		-20 to 4°C	
<b>Temperature variability</b>	±0.5°C		n/a		±0.5°C	
<b>Sterilization cycle</b>	Over 150°C for 3 hours		n/a		n/a	
<b>Gas control</b>	CO <sub>2</sub> injection, standard N <sub>2</sub> injection, optional O <sub>2</sub> injection, optional		n/a		N <sub>2</sub> Dry air	
<b>General Specifications</b>						
<b>Dimensions (H x W x L)</b>	1397 x 864 x 914 mm (55 x 34 x 36 in)	1930 x 864 x 914 mm (76 x 34 x 36 in)	1041 x 737 x 838 mm (41 x 29 x 33 in)	1626 x 737 x 838 mm (64 x 29 x 33 in)	1397 x 864 x 914 mm (55 x 34 x 36 in)	1930 x 864 x 914 mm (76 x 34 x 36 in)
<b>Weight (empty)</b>	436 kg (962 lb)	601 kg (1324 lb)	147 kg (325 lb)	176 kg (387 lb)	436 kg (962 lb)	601 kg (1324 lb)
<b>Maximum carousel weight</b>	136 kg (300 lb)		n/a		n/a	
<b>Power</b>	120/240VAC 50/60 Hz		120/240VAC 50/60 Hz		120/240VAC 50/60 Hz	
<b>Compressed air</b>	552 kPa 80 psi		552 kPa 80 psi		552 kPa 80 psi	
<b>Communications</b>	Ethernet		Ethernet		Ethernet	
<b>Humidity range</b>	RH up to 98%		n/a		n/a	
<b>Inventory tracking</b>	Barcode scanner		Barcode scanner		Barcode scanner	

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#### North American Headquarters

102 Cherry Hill Drive  
Beverly, MA 01915 USA  
Tele: 781-932-1912

#### European Headquarters

Unit D2, Broadoak Business Park  
Ashburton Road West  
Trafford Park, Manchester  
M17 1RW UK

