



Vaccine Cold Storage

Refrigerators and Freezers Certified
to the NSF/ANSI 456 Standard
for Vaccine Storage

Secure | Trusted | Compliant

What is the NSF/ANSI 456 Standard for Vaccine Storage?

The NSF/ANSI 456 Standard for Vaccine Storage is designed to define the appropriate criteria for construction and performance of storage units used by personnel who administer vaccines. The standard applies to vaccine storage refrigerators, freezers, and combination units. The Centers for Disease Control (CDC) Toolkit guidance is still the gold standard for the safe storage and handling of vaccines.

The standard was developed by the NSF/ANSI Joint Committee on Vaccine Storage, a team with members from public health agencies including the CDC and NIST, healthcare providers, vaccine suppliers, and equipment manufacturers. This standard provides generalized construction and performance guidelines for vaccine cold storage equipment.



Why choose American BioTech Supply?

American Biotech Supply's line up of NSF/ANSI 456 certified refrigerators and freezers provide precision uniform stability through out the chamber. These models are subjected to thorough 3rd party lab testing and certification to ensure their compliance with the NSF/ANSI 456 Standard.

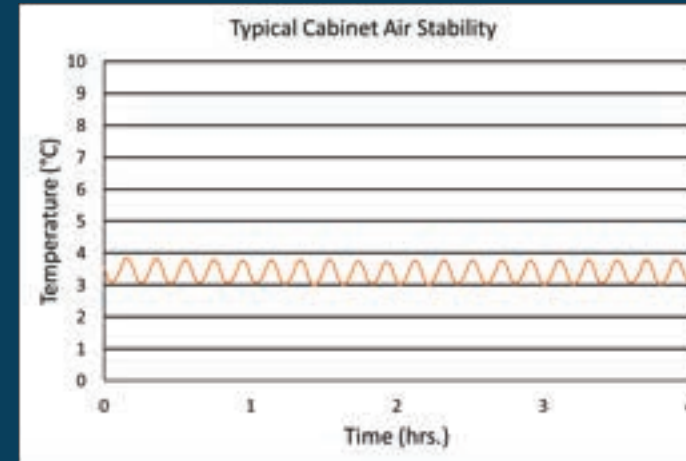
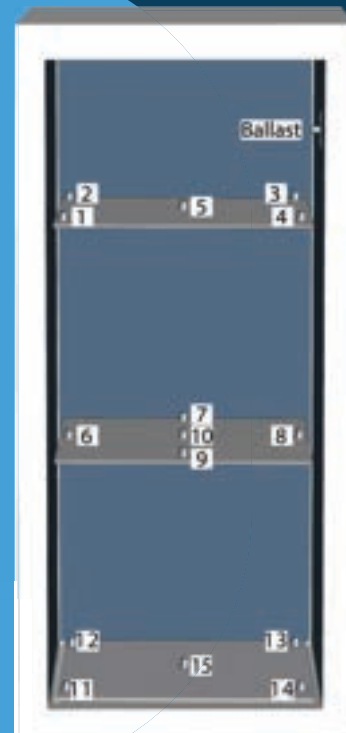
- Products ranging from 1 to 49 ft³
- Precision cooling with microprocessor controllers
- Cycle and manual defrost options available
- Increased energy efficiency, including natural hydrocarbon refrigerants

With approval from a certified testing lab, you can be assured that your vaccine and medication will be maintained in the safest possible conditions, ensuring the viability of your valuable inventory.

Protect your vaccines with this high-performance collection

What are the NSF/ANSI 456 Standard testing protocols?

The NSF/ANSI 456 testing protocols call for the use of a specifically designed aluminum thermal ballast referred to as a Vaccine Simulation Device (VSD). A VSD simulates a small vial of vaccine that was taken out of its original packaging and placed at an extreme position within the chamber to simulate the 15 worst case storage practices.



Performance Requirements

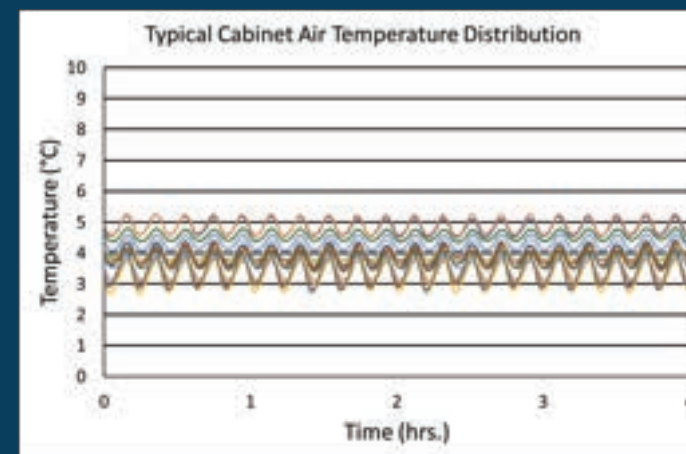
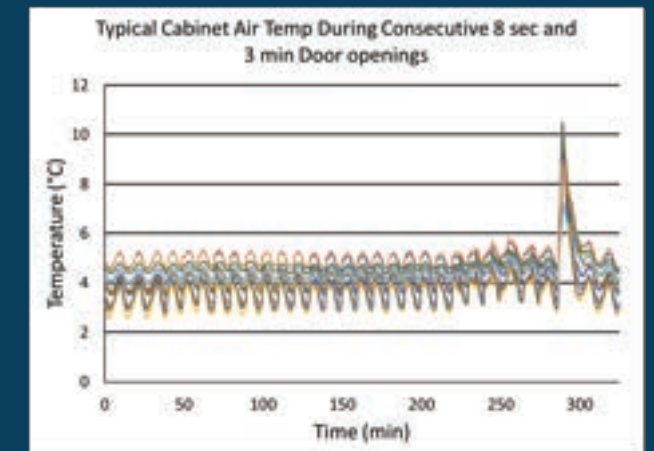
Refrigerators:
During door opening test, no probe shall go below 2°C or above 8°C. After 3-minute opening test, temperature must recover to 5°C +/- 3°C in 15 minutes and cannot go below 1°C.

Freezers:
During door opening test, no probe shall go below -50°C or above -15°C. After 3-minute opening test, temperature of probes Must recover to -15°C in 15 minutes and cannot go above 0°C.

Total Temperature Variation

Total Temperature Variation is defined as the maximum variance in temperature across all probes over the testing period (excluding extended door openings).

Enhanced results are attained when following CDC guidelines – Temperatures remain well within the allowable range of 2°C to 8°C.



Stability and Uniformity

Stability is defined as the maximum variance in temperature experienced by the least stable probe over the testing period.

Uniformity is defined as the maximum variance in temperature across all probes at any point in time over the testing period.

NSF/ANSI 456 Certified Family of Products



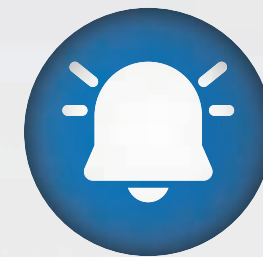
EPA/SNAP compliant,
hydrocarbon, natural
refrigerants



Large selection of models
ranging from 1 to 49 ft³



Microprocessor temperature
controller - superior temperature
control and recovery



Array of temperature
alarms with audible and
visual indicators



Temperature monitoring
device with 3-year
certificate of calibration

Freestanding NSF/ANSI 456 Certified Refrigerators and Freezers - an economical choice with a small footprint for facilities with adequate space for ventilation. Units come equipped with temperature alarms, keyed door locks, probe access, and precise temperature monitoring through microprocessor control. Units require a 4-inch margin on all sides for adequate ventilation. All units run on natural, hydrocarbon refrigerant for environmental health and energy efficiency.

Refrigerator Model	Ft'	Temperature Range*	Defrost	Doors	Shelves	Width" x Depth" x Height"
PH-ABT-NSF-UCFS-0104†	1	1°C to 10°C	Cycle	1 Solid	2 Adjustable/1 Fixed	17 ¼ x 19 ¼ x 21 ¼
PH-ABT-NSF-UCFS-0104G†	1	1°C to 10°C	Cycle	1 Glass	2 Adjustable/1 Fixed	17 ¼ x 19 ¼ x 21 ¼
PH-ABT-NSF-UCFS-0204	2.5	1°C to 10°C	Cycle	1 Solid	3 Adjustable/1 Fixed	17 ¾ x 19 ½ x 28 ¾
PH-ABT-NSF-UCFS-0204G	2.5	1°C to 10°C	Cycle	1 Glass	3 Adjustable/1 Fixed	17 ¾ x 19 ½ x 28 ¾
PH-ABT-NSF-UCFS-0504	5.2	1°C to 10°C	Cycle	1 Solid	2 Adjustable/1 Fixed	23 ¾ x 24 x 32 ¾
PH-ABT-NSF-UCFS-0504G	5.2	1°C to 10°C	Cycle	1 Glass	2 Adjustable/1 Fixed	23 ¾ x 24 x 32 ¾
PH-ABT-NSF-10PG	10.5	1°C to 10°C	Cycle	1 Glass	6 Adjustable/1 Fixed	23 ¾ x 26 ½ x 59
PH-ABT-NSF-10PS	10.5	1°C to 10°C	Cycle	1 Solid	6 Adjustable/1 Fixed	23 ¾ x 26 ½ x 59

Freezer Model

PH-ABT-NSF-UCFS-0120†	1.7	-15°C to -28°C	Manual	1 Solid	2 Adjustable/1 Fixed	23 ¾ x 23 x 20 ¾
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PH-ABT-NSF-UCFS-0504G

Built-in Undercounter NSF/ANSI 456 Certified Refrigerators and Freezers - provide quality cold storage in a space-saving design. Built-in units are designed with front ventilation systems, allowing easy installation into a bench or countertop. Units come equipped with temperature alarms, keyed door locks, probe access, and precise temperature monitoring through microprocessor control. All units run on natural, hydrocarbon refrigerant for environmental health and energy efficiency.

Refrigerator Model	Ft'	Temperature Range*	Defrost	Doors	Shelves	Width" x Depth" x Height"
PH-ABT-NSF-UCBI-0204†	2.5	1°C to 10°C	Cycle	1 Solid	3 Adjustable/1 Fixed	17 ¾ x 20 ¾ x 30 ¾
PH-ABT-NSF-UCBI-0404SS†	4.6	1°C to 10°C	Cycle	1 Solid	2 Adjustable/1 Fixed	23 ¾ x 24 ¾ x 33 ¾
PH-ABT-NSF-UCBI-0404†	4.6	1°C to 10°C	Cycle	1 Solid	2 Adjustable/1 Fixed	23 ¾ x 24 ¾ x 33 ¾
PH-ABT-NSF-UCBI-0404G†	4.6	1°C to 10°C	Cycle	1 Glass	2 Adjustable/1 Fixed	23 ¾ x 26 x 33 ¾
PH-ABT-NSF-UCBI-0404-ADA†	4.6	1°C to 10°C	Cycle	1 Solid	2 Adjustable/1 Fixed	23 ¾ x 24 ¾ x 31 ½
PH-ABT-NSF-UCBI-0404G-ADA†	4.6	1°C to 10°C	Cycle	1 Glass	2 Adjustable/1 Fixed	23 ¾ x 26 x 31 ½

Freezer Model

PH-ABT-NSF-UCBI-0420†	4.2	-18°C to -26°C	Manual	1 Solid	2 Fixed	23 ¾ x 24 ½ x 33 ¾
PH-ABT-NSF-UCBI-0420SS†	4.2	-18°C to -26°C	Manual	1 Solid	2 Fixed	23 ¾ x 24 ½ x 33 ¾
PH-ABT-NSF-UCBI-0420-ADA†	4.2	-18°C to -26°C	Manual	1 Solid	2 Fixed	23 ¾ x 24 ½ x 31 ½



PH-ABT-NSF-UCFS-0404SS

Standard Series Upright NSF/ANSI 456 Certified Refrigerators - deliver professional results for medical, clinical, and vaccine cold storage. Units come equipped with temperature alarms, keyed door locks, forced draft circulation, probe access, and precise temperature monitoring through microprocessor control. Our standard series provides multi-functional features in a cost-effective design. All units run on natural, hydrocarbon refrigerant for environmental health and energy efficiency.

Refrigerator Model	Ft'	Temperature Range*	Defrost	Doors	Shelves	Width" x Depth" x Height"‡
PH-ABT-NSF-S12G	12	1°C to 10°C	Cycle	1 Glass	3 Adjustable/1 Fixed	25 x 29 x 65 ¾
PH-ABT-NSF-S12S	12	1°C to 10°C	Cycle	1 Solid	3 Adjustable/1 Fixed	25 x 29 x 65 ¾
PH-ABT-NSF-S16G	16	1°C to 10°C	Cycle	1 Glass	3 Adjustable/1 Fixed	25 x 26 x 79
PH-ABT-NSF-S16S	16	1°C to 10°C	Cycle	1 Solid	3 Adjustable/1 Fixed	25 x 26 x 79
PH-ABT-NSF-S23G	23	1°C to 10°C	Cycle	1 Glass	4 Adjustable/1 Fixed	26 7/8 x 34 7/8 x 81 ¾
PH-ABT-NSF-S23S	23	1°C to 10°C	Cycle	1 Solid	4 Adjustable/1 Fixed	26 7/8 x 34 7/8 x 81 ¾
PH-ABT-NSF-S26G	26	1°C to 10°C	Cycle	1 Glass	4 Adjustable/1 Fixed	28 3/8 x 36 ¾ x 81 ¾
PH-ABT-NSF-S26S	26	1°C to 10°C	Cycle	1 Solid	4 Adjustable/1 Fixed	28 3/8 x 36 ¾ x 81 ¾
PH-ABT-NSF-S49G	49	1°C to 10°C	Cycle	2 Glass	8 Adjustable/2 Fixed	54 x 34 ¾ x 81 ¾
PH-ABT-NSF-S49S	49	1°C to 10°C	Cycle	2 Solid	8 Adjustable/2 Fixed	54 x 34 ¾ x 81 ¾



PH-ABT-NSF-S23G

Premier Series Upright NSF/ANSI 456 Certified Refrigerators - include premium additions such as extensive alarm package and user friendly, digital touch pad display. Units come equipped with temperature alarms, keyed door locks, forced draft circulation, probe access, and precise temperature monitoring through microprocessor control, verification, and recovery. All units run on natural, hydrocarbon refrigerant for environmental health and energy efficiency.

Refrigerator Model	Ft'	Temperature Range*	Defrost	Doors	Shelves	Width" x Depth" x Height"‡
PH-ABT-NSF-12G	12	1°C to 10°C	Cycle	1 Glass	5 Adjustable/1 Fixed	25 x 29 x 65 ¾
PH-ABT-NSF-12S	12	1°C to 10°C	Cycle	1 Solid	5 Adjustable/1 Fixed	25 x 29 x 65 ¾
PH-ABT-NSF-16G	16	1°C to 10°C	Cycle	1 Glass	5 Adjustable/1 Fixed	25 x 26 x 79
PH-ABT-NSF-16S	16	1°C to 10°C	Cycle	1 Solid	5 Adjustable/1 Fixed	25 x 26 x 79
PH-ABT-NSF-23G	23	1°C to 10°C	Cycle	1 Glass	6 Adjustable/1 Fixed	26 7/8 x 34 7/8 x 81 ¾
PH-ABT-NSF-23S	23	1°C to 10°C	Cycle	1 Solid	6 Adjustable/1 Fixed	26 7/8 x 34 7/8 x 81 ¾
PH-ABT-NSF-26G	26	1°C to 10°C	Cycle	1 Glass	6 Adjustable/1 Fixed	28 3/8 x 36 ¾ x 81 ¾
PH-ABT-NSF-26S	26	1°C to 10°C	Cycle	1 Solid	6 Adjustable/1 Fixed	28 3/8 x 36 ¾ x 81 ¾
PH-ABT-NSF-49G	49	1°C to 10°C	Cycle	2 Glass	12 Adjustable/2 Fixed	54 x 34 ¾ x 81 ¾
PH-ABT-NSF-49S	49	1°C to 10°C	Cycle	2 Solid	12 Adjustable/2 Fixed	54 x 34 ¾ x 81 ¾



PH-ABT-NSF-49S

* Set-point must remain unaltered from the factory setting to remain compliant with NSF/ANSI 456 Standard for Vaccine Storage requirement

† Left Hinge Model Available

‡ Height includes casters

Specifications are subject to change

