

*Integrity Means Everything
For Your Precious Samples*



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CryoELITE Cryogenic Vials are the perfect solution for storing, tracking and transporting your irreplaceable samples.

- > **2D Matrix Bar Code Bottom Insert** provides a unique identifier for traceability.
- > **Unrivaled Cap Seal** exceeds DOT and IATA regulations ensuring ultimate protection of samples during transportation and demanding freeze-thaw handling.
- > **Loctagon™ Vial Skirt** provides stability in the freestanding position; locks into the CryoELITE Benchmate Rack to provide easy open and close with one hand.
- > **E-Z Ex-Traction® Conical Well Design** allows precise sample retrieval for both automated and manual systems.
- > **7 Cap Colors** for convenient sample identification.
- > **Lot Certified** RNase/DNase and Endotoxin Free, sterile and non-pyrogenic.

In today's world of biobanking and sample management, Integrity Means Everything. With the new Wheaton CryoELITE Cryogenic Vial, sample integrity is secure. Sample tracking is simple and permanent with the unique CryoELITE 2D Matrix bar code bottom insert.

CryoELITE freestanding vials integrate an optional 2D Matrix bar code bottom insert. It easily press fits into the bottom of the vial providing a permanent identifier for traceability. The bottom format allows unrestricted sample viewing and convenient automated scanning, especially when used with the new Wheaton KeepIT-100™ Freezer Box.

The unique manufacturing design of the CryoELITE vial creates more cap to vial surface contact for an absolute seal. This results in exceptional cap seal performance exceeding DOT standards and IATA regulations by an average of 35%, making the CryoELITE vial ideal for the transport of clinical samples.

CryoELITE line provides both external and internal threaded options. Vial sizes include 1.2, 2.0, 3.0, 4.0 and 5.0 mL volumes in either freestanding or round bottom configurations. Seven cap colors: Blue, Green, Pink, Red, White, Yellow and Natural are standard on the 2.0 mL size. All vial lots are certified DNase and RNase free, non-pyrogenic, endotoxin free, and are provided sterile or non-sterile. Caps and vials are made from low binding, cryogenic grade, virgin polypropylene.



WHEATON | CryoELITE™ Cryogenic Vials

Freestanding Internal Thread

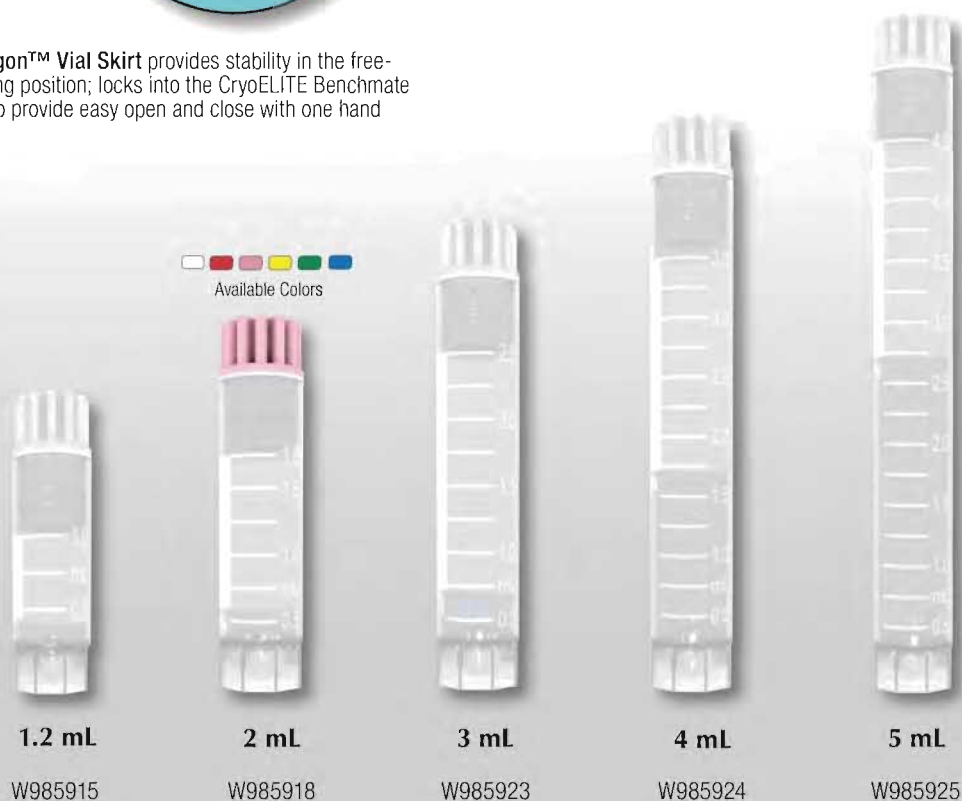


> Loctagon™ Vial Skirt provides stability in the free-standing position; locks into the CryoELITE Benchmate Rack to provide easy open and close with one hand

Table 1

CryoELITE Vials, Freestanding, Internal Thread						
Cat. No.	Size mL	Color	Writing Patch	Sterile	Dimensions mm	Qty
W985915	1.2	Natural	Yes	Yes	12 x 40	500
W985902	2	Natural	Yes	No	12 x 50	1000
W985903	2	Natural	No	No	12 x 50	1000
W985922	2	Natural	Yes	Yes	12 x 50	500
W985916	2	White	Yes	Yes	12 x 50	500
W985917	2	Red	Yes	Yes	12 x 50	500
W985918	2	Pink	Yes	Yes	12 x 50	500
W985919	2	Yellow	Yes	Yes	12 x 50	500
W985920	2	Green	Yes	Yes	12 x 50	500
W985921	2	Blue	Yes	Yes	12 x 50	500
W985923	3	Natural	Yes	Yes	12 x 63	500
W985924	4	Natural	Yes	Yes	12 x 77	500
W985925	5	Natural	Yes	Yes	12 x 91	500

▶ Samples in Demo Kit



WHEATON | CryoELITE™ Cryogenic Vials Freestanding External Thread

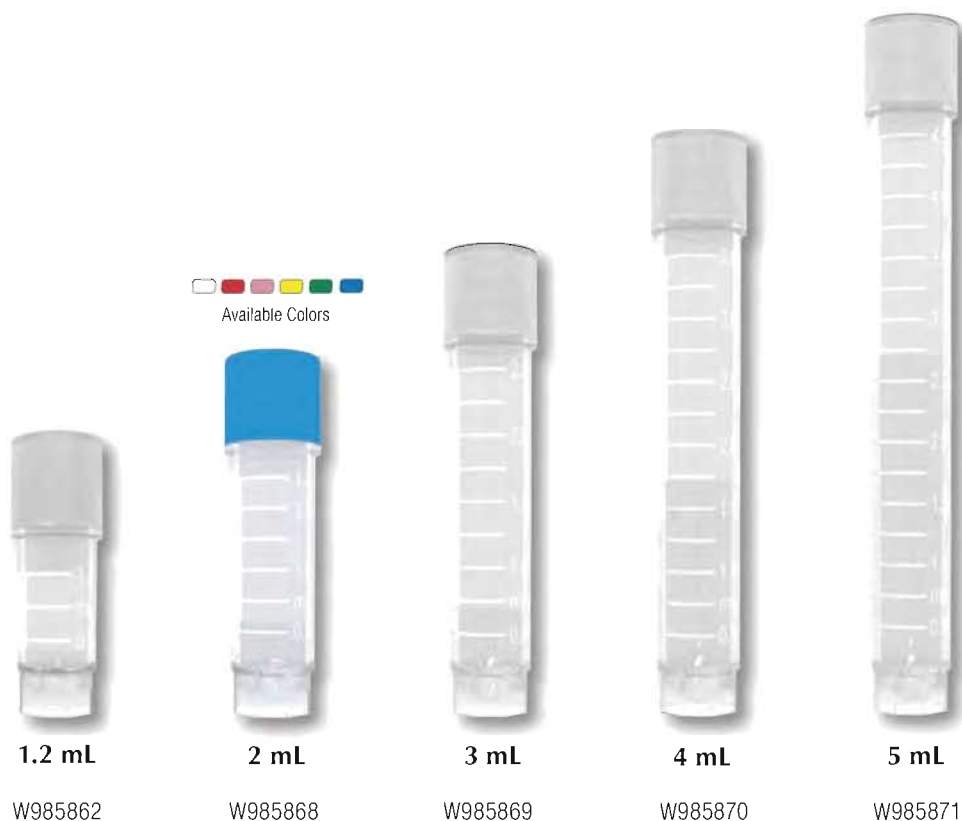
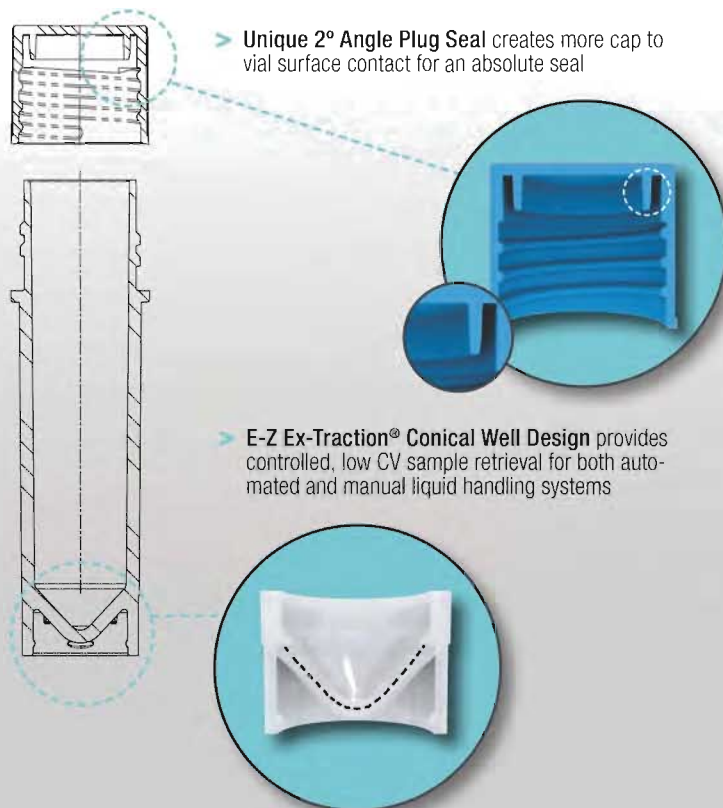


Table 2

Cat. No.	Size mL	Color	Writing Patch	Sterile	Dimensions mm	Qty
W985862	1.2	Natural	Yes	Yes	12 x 37	500
W985852	2	Natural	Yes	No	12 x 49	1000
W985853	2	Natural	No	No	12 x 49	1000
W985872	2	Natural	Yes	Yes	12 x 49	500
W985863	2	White	Yes	Yes	12 x 49	500
W985864	2	Red	Yes	Yes	12 x 49	500
W985865	2	Pink	Yes	Yes	12 x 49	500
W985866	2	Yellow	Yes	Yes	12 x 49	500
W985867	2	Green	Yes	Yes	12 x 49	500
W985868	2	Blue	Yes	Yes	12 x 49	500
W985869	3	Natural	Yes	Yes	12 x 63	500
W985870	4	Natural	Yes	Yes	12 x 78	500
W985871	5	Natural	Yes	Yes	12 x 93	500

▶ Samples in Demo Kit



WHEATON | CryoELITE™ Cryogenic Vials Round Bottom External & Internal Thread

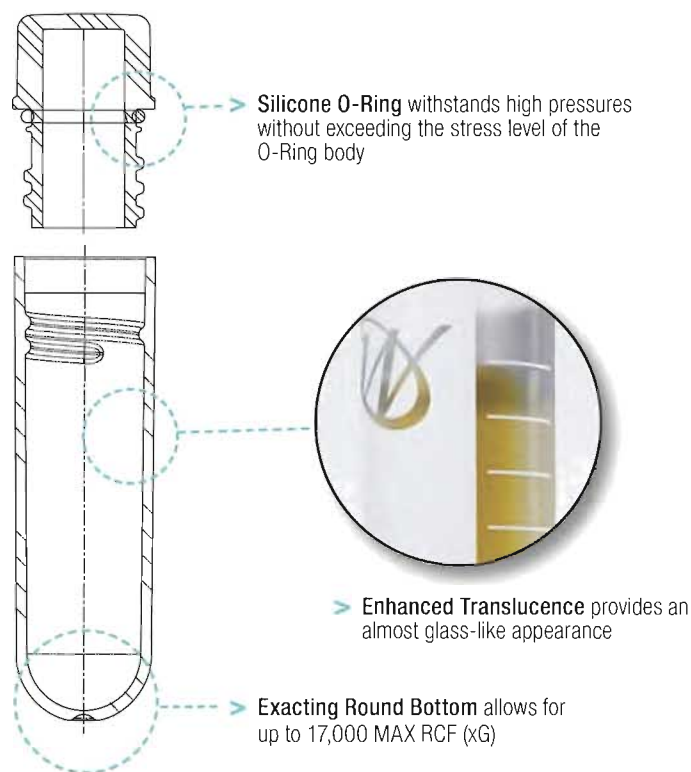
Table 3

CryoELITE Vials, Round Bottom, External Thread						
Cat. No.	Size mL	Color	Writing Patch	Sterile	Dimensions mm	Qty
W985860	1.2	Natural	Yes	Yes	12 X 35	500
W985861	2	Natural	Yes	Yes	12 X 49	500
W985850	2	Natural	Yes	No	12 X 49	1000
W985851	2	Natural	No	No	12 X 49	1000

Table 4

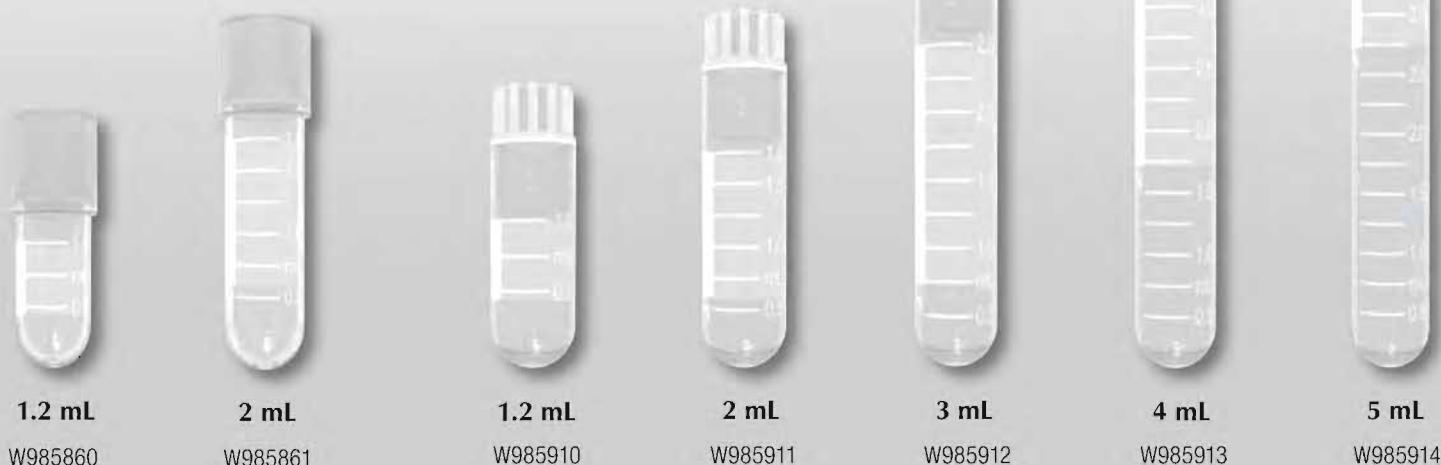
CryoELITE Vials, Round Bottom, Internal Thread						
Cat. No.	Size mL	Color	Writing Patch	Sterile	Dimensions mm	Qty
W985910	1.2	Natural	Yes	Yes	12 x 39	500
W985911	2	Natural	Yes	Yes	12 x 49	500
W985900	2	Natural	Yes	No	12 x 49	1000
W985901	2	Natural	No	No	12 x 49	1000
W985912	3	Natural	Yes	Yes	12 x 63	500
W985913	4	Natural	Yes	Yes	12 x 76	500
W985914	5	Natural	Yes	Yes	12 x 90	500

▶ Samples in Demo Kit



External Thread

Internal Thread



WHEATON | CryoELITE™ Cryogenic Vial 2D Matrix Bar Code Bottom Insert



Table 5

CryoELITE 2D Matrix Bar Code Bottom Insert			
Cat. No.	Description	Sterile	Qty
W985880	CryoELITE 2D Matrix Bar Code Bottom Insert	Yes	500
W985881	CryoELITE 2D Matrix Bar Code Bottom Insert	No	500

2D Matrix Bar Code Bottom Insert Makes Identification and Traceability Reliable and Convenient

The Wheaton CryoELITE freestanding vial makes identification and traceability simple. The 2D Matrix bar code bottom insert can be manually press fit into the bottom of the vial and held permanently in place by the snap lock design. The bar code is laser etched onto the same location of each white bottom insert creating a unique high contrast data-matrix identifier readable with standard scanning hardware.

To help with the changing demands of sample management, the 2D Matrix bar code bottom inserts are supplied separately in bags of

500 and can be press fit into the bottom of each freestanding vial. Wheaton can also provide user specified predetermined sequences. CryoELITE cryogenic freestanding vials are also available with bottom inserts (random or unique) preassembled.

CryoELITE Cryogenic Vials and 2D Matrix bar code bottom inserts are made from the same cryogenic radiation grade, virgin polypropylene. This ensures uniform thermal expansion over all working temperatures and eliminates the risk of the bottom insert separating from the vial.

CryoELITE Technical Information

Material:	Made from low binding, cryogenic grade, virgin polypropylene
Temperature Range:	-196°C to +121°C
Sterility:	Lot Certified Sterile, Gamma Irradiated (ANSI/AAMI/ISO 11137: Method VD-Max25, SAL 10 ⁻⁶)
DNase & RNase Free:	Lot Certified, Ethidium Bromide (EtBr) Agarose Gel Electrophoresis Analysis
Non-Pyrogenic, Endotoxin Free:	Lot Certified ≤ 0.025 EU/mL (Kinetic Turbidimetric LAL Method, FDA guideline)
Non-Cytotoxic:	United States Pharmacopeia, Class VI tested
Non-Mutagenic:	United States Pharmacopeia, Class VI tested
Seal psi:	Exceeds 15 psi / 1 atmosphere / 95kPa pressure tested
IATA (International Air Transportation Association):	Can be used as a primary receptacle for the Transport of Diagnostic Specimens as outlined by the IATA Dangerous Goods Regulations, Part 6.3.5
DOT (U.S. Department of Transportation):	Exceeds U.S. DOT 49 CFR Parts 171-180 requirements for Diagnostic Specimen Packing and Transportation Requirements
Liquid Nitrogen:	Liquid phase tested / Vapor phase accepted
Autoclavable:	Recommended at +121°C, 15 psi (1 bar) for 20 minutes
Cap Pigmentation:	Cap colors were chosen to ensure no reactivity with common biological samples
Mold Release Agent:	None used in the manufacturing process
2D Matrix Data Capacity:	Numeric 16 / Alphanumeric 10
2D Matrix Symbol Size:	Row x Column: 14 x 14

Your precious samples are the foundation of your research, development and future, protect them with the very best.
WHEATON CryoELITE Cryogenic Vials

WHEATON | KeepIT-100™ Freezer Boxes



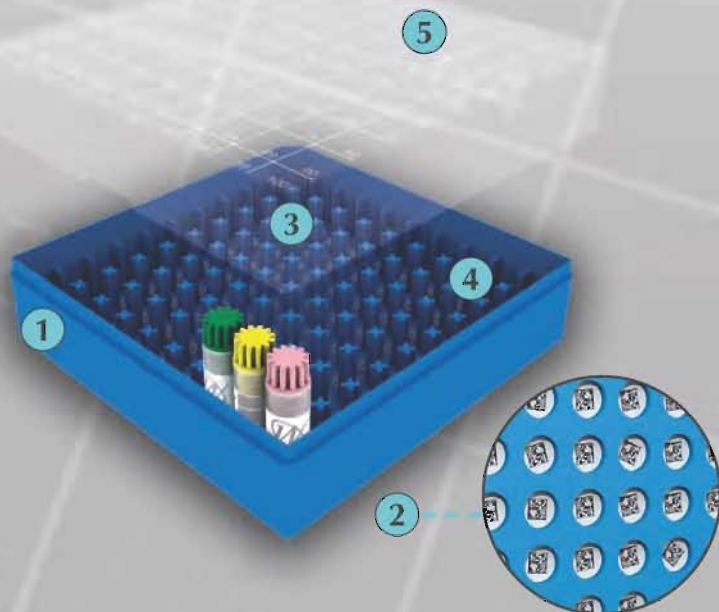
Table 6

KeepIT-100 Freezer Boxes				
Cat. No.	Description	Color		Qty
W651700-W	KeepIT-100 Freezer Box	White		10
W651700-R	KeepIT-100 Freezer Box	Red		10
W651700-P	KeepIT-100 Freezer Box	Pink		10
W651700-Y	KeepIT-100 Freezer Box	Yellow		10
W651700-G	KeepIT-100 Freezer Box	Green		10
W651700-B	KeepIT-100 Freezer Box	Blue		10

Dimensions (L x W x H): 130 x 130 x 52 mm

Advantages

- > KeepIT-100 secures Information Technology.
- > Accommodates up to 100 internal threaded (1.2 - 2 mL) cryogenic vials.
- > Standard footprint, compatible with liquid nitrogen storage shelves and freezer drawers.
- > Six colors that match the colors of the CryoELITE™ Cryogenic Vials.



- 1 Made from Eastman Tritan™; an environmentally friendly, Bisphenol-A (BPA) free, shatter resistant resin.
- 2 Holes in bottom facilitate scanning 2D bar code bottom inserts and allows for quick draining of liquid nitrogen.
- 3 Transparent cover allows easy sample identification.
- 4 Sturdy integrated pegs used for vial stability keeps vials centered for top readings or bottom code scanning.
- 5 Solvent resistant including DMSO withstands cryogenic temperatures, and accommodates label and freezer pen markings.

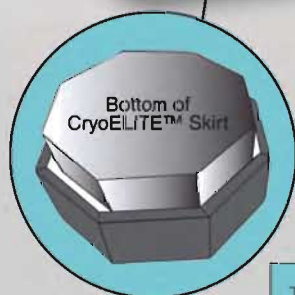
WHEATON | CryoFile™ and CryoFile XL™ Storage Boxes CryoELITE™ Benchmate Rack

Table 7

CryoFile and CryoFile XL Storage Boxes				
Cat. No.	Description	For Vial Size (mL)	Color	Qty
W651603	CryoFile Storage Box	2	White	15
W651605	CryoFile Storage Box	2	Red	15
W651602	CryoFile Storage Box	2	Pink	15
W651601	CryoFile Storage Box	2	Yellow	15
W651600	CryoFile Storage Box	2	Green	15
W651604	CryoFile Storage Box	2	Blue	15
W651603-XL	CryoFile XL Storage Box	5	White	15
W651605-XL	CryoFile XL Storage Box	5	Red	15
W651602-XL	CryoFile XL Storage Box	5	Pink	15
W651601-XL	CryoFile XL Storage Box	5	Yellow	15
W651600-XL	CryoFile XL Storage Box	5	Green	15
W651604-XL	CryoFile XL Storage Box	5	Blue	15

Table 8

CryoELITE Benchmate Rack		
Cat. No.	Description	Qty
985810	CryoELITE Benchmate Rack	5



The bottom of the CryoELITE skirt fits into well shape to enable locking of vial for one hand applications.

CryoFile and CryoFile XL Storage Boxes

- > Use with 2.0 and 5.0 mL cryogenic vials
- > Partitions numbered from 1 – 81 for easy content identification
- > Numbering system printed on lid and bottom of box
- > Six colors provide easy sample identification
- > Water repellent allows for longer durability
- > Withstands cryogenic temperatures to -196°C
- > Dimensions CryoFile (L x W x H): 130 x 130 x 52 mm
- > Dimensions CryoFile XL (L x W x H): 130 x 130 x 97 mm

CryoELITE Benchmate Rack

- > For use with both freestanding and round bottom vials
- > Wheaton Loctagon™ bottom allows one hand cap removal
- > Holds 50 cryogenic vials
- > Manufactured from polypropylene
- > Easily cleaned in an automatic washer or autoclavable at 121°C for 20 minutes
- > Well ID: 12.5 mm
- > Dimensions (L x W x H): 190 x 100 x 22 mm



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Eastman Tritan™ copolyester is a trademark of Eastman Chemical Co.



WHEATON
Science Products

a division of WHEATON Industries Inc.

1501 North 10th Street ■ Millville, NJ 08332-2038
1.800.225.1437 ■ +1.856.825.1100 ■ +1.856.825.1368 (F)
www.wheatonsci.com

www.wheatonsci.com/elite

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