



WHEATON E-Z Ex-Traction™ Vials



Precision Engineered and
Manufactured Containers Designed
for Compound Storage and Other
Critical Sample Handling Applications



2mL

4mL

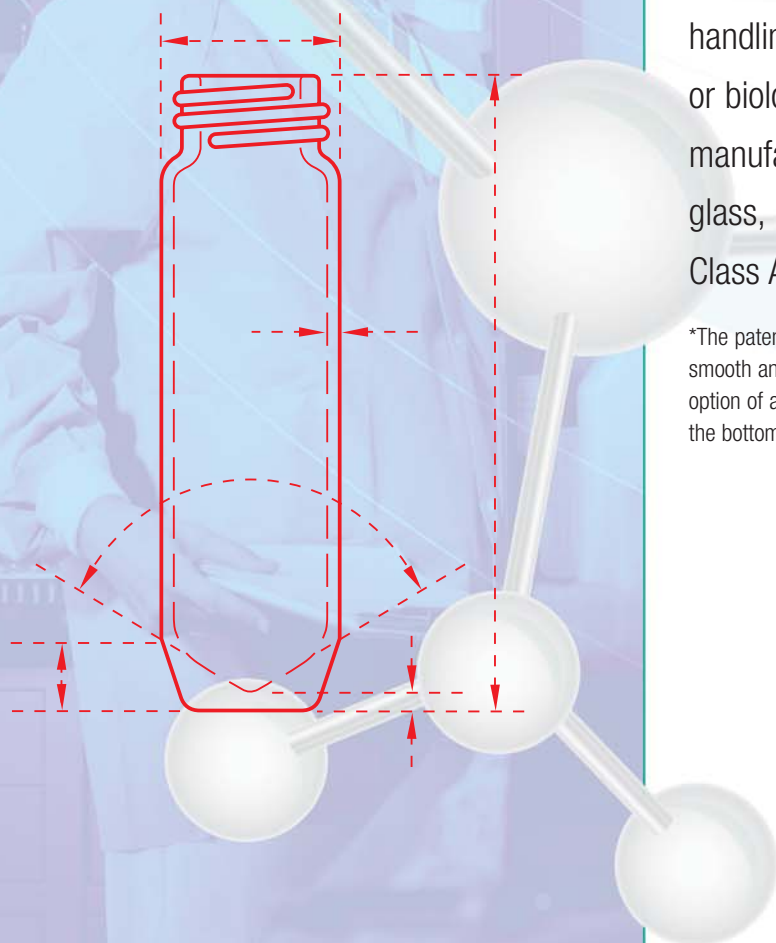
8mL

10mL

20mL

WHEATON E-Z Ex-Traction™ Vials, Services and Accessories

**A Comprehensive System for the
Collection, Automated Handling, and
Storage Plus Subsequent Maximum
Retrieval of High Value Samples**



The new Wheaton E-Z Ex-Traction Vials combine the best attributes of high recovery vials with a unique patented (U.S. patent pending*) bottom to provide the optimum benefits to users of automated or manual handling and storage systems in compound or biological sample applications. Precision manufactured from low extractable borosilicate glass, E-Z Ex-Traction Vials meet ASTM Type I Class A and USP Type I standards.

*The patent pending design on the bottom of these vials creates a large, smooth and flat surface that offers greater stability and gives the user the option of applying larger 2D bar codes. In addition, the tapered angle at the bottom provides ease of storage and retrieval by automated equipment.

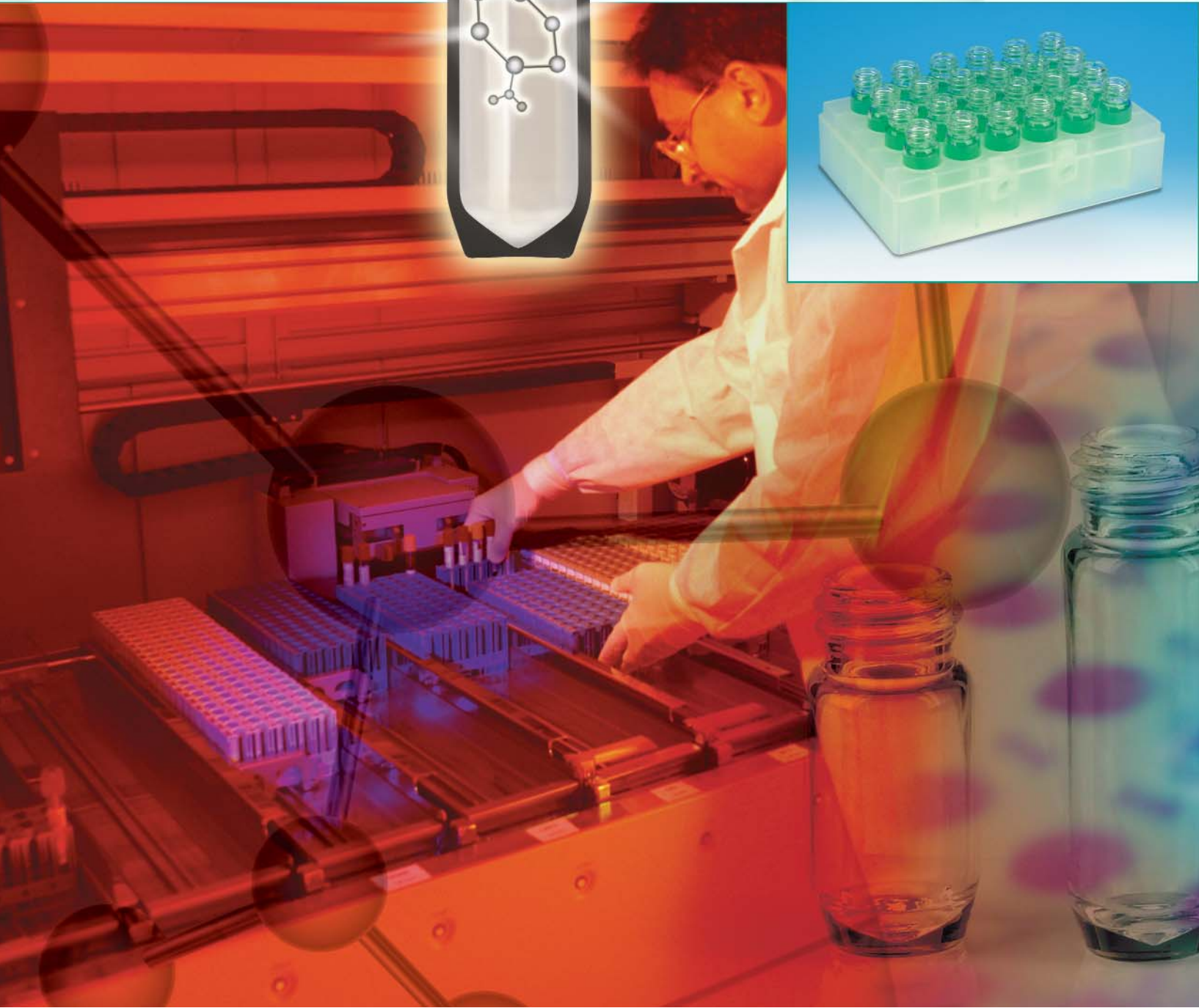
Conical Well Design Ensures Maximum Sample Recovery

The interior wall of the Wheaton E-Z Ex-Traction Vial makes a smooth transition into the conical well at the bottom of the vial which prevents any loss of material that might get "hung up" in irregular surfaces and corners. The constant shape and depth of the well enables greater recovery of the sample by automated systems without concern for damage caused by variations in dimensions.



Quality Engineered for Automated Sample Handling

E-Z Ex-Traction Vials are manufactured to extremely tight tolerances under strict quality standards in order to reduce the chance of failure in automated sample handling and storage systems. Because container dimensions are closely maintained vial to vial and between vial lots, the problem of jamming and dropped vials is virtually eliminated. The 4mL vial has the same profile as a standard 4mL (1 dram) sample vial and all other sizes also have similar dimensions to popular vials used in automated environments.



SciLutions™ Bar Coding, Taring, Surface Treatment, and Critical Cleaning Services



Bar Coding

Wheaton E-Z Ex-Traction Vials can be supplied with both linear and 2D bar codes. The smooth surfaces and flat vial bottoms enable bar codes to be applied directly or as labels to meet unique customer specifications and environmental conditions. Linear bar codes can be provided in a variety of symbologies including code 39, code 128, and interleaved 2 of 5.



Taring

E-Z Ex-Traction Vials are also available pre-weighed to ensure the amount of contained sample can be accurately measured at any given time. Weights for each container are recorded to an accuracy of ± 0.2 milligrams and recorded on a spreadsheet to enable complete traceability.



Surface Treatment

To further protect the integrity of your compound, these borosilicate glass vials can be supplied with either silanization or siliconization inner surface treatments. The coating provides an added protective barrier which eliminates active sites on the glass that could potentially react with your sample.



Critical Cleaning

To ensure we achieve the level of clean you require, Wheaton employs highly effective methods to remove trace organics, volatile organics, and organic carbon residues. Our process includes the use of WFI (Water for Injection) rinsing, USP purified water, and HEPA filtering. In addition, E-Z Ex-Traction Vials can be packaged in a certified class 100/10 cleanroom.



Closures for E-Z Ex-Traction™ Vials

Black Phenolic Screw Caps with Teflon® Faced (14B) Rubber Liners

These autoclavable* caps are designed to ensure the ultimate in product safety. The liners are made of a nontoxic white styrene-butadiene rubber and are faced with Teflon which offers excellent chemical resistance. They are available in convenient lab pack quantities as well as larger case packs.



Catalog No.	Cap Size	Qty/Pack	Qty/Case
W240820	13-425	250	250
W240821	13-425	250	1000
W240822	15-425	250	250
W240823	15-425	250	1000
W240824	22-400	100	100
W240825	22-400	100	500
240418	24-400	100	100
W240827	24-400	100	500

Polypropylene Screw Caps with bonded Teflon® Faced Silicone Liners

These white autoclavable* caps have a bonded Teflon faced silicone liner making them ideal for storage and containment of volatile solvents, sensitive compounds, and corrosive chemicals. The liners consist of 0.055" of silicone and 0.005" of Teflon. They are available in convenient lab pack quantities as well as larger case packs.



Catalog No.	Cap Size	Qty/Pack	Qty/Case
W240830	13-425	250	250
W240831	13-425	250	1000
W240832	15-425	250	250
W240833	15-425	250	1000
W240834	22-400	100	100
W240835	22-400	100	500
W240836	24-400	100	100
W240837	24-400	100	500

Polypropylene, Open-Top, Screw Caps with bonded Teflon® Faced Silicone Liners

These white autoclavable* open-top caps have a bonded Teflon faced silicone liner making them ideal for storage and retrieval of volatile solvents, sensitive compounds and corrosive chemicals. The liners consist of 0.055" of silicone and 0.005" of Teflon. They are available in convenient lab pack quantities as well as larger case packs.



Catalog No.	Cap Size	Qty/Pack	Qty/Case
W240840	13-425	250	250
W240841	13-425	250	1000
W240842	15-425	250	250
W240843	15-425	250	1000
W240844	22-400	100	100
W240845	22-400	100	500
W240846	24-400	100	100
W240847	24-400	100	500

* Caps may be steam autoclaved

Wheaton E-Z Ex-Traction™ Vials Ordering Information

Wheaton E-Z Ex-Traction Vials are supplied in corrugated trays with SBS (solid bleach sulfate) partitions which maintain clean vial conditions during shipping and storing prior to use.

Custom packaging options are also available to meet customer specifications.

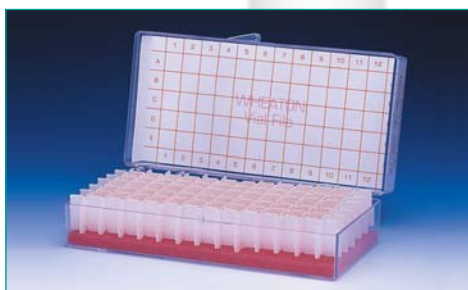


Custom E-Z Ex-Traction Vials

Wheaton offers E-Z Ex-Traction Vials in five standard sizes and configurations (see ordering information below). **If your automated system is designed to handle vials with different dimensions or if your process requires vials to contain specific volumes, we can meet your requirements. To provide your specifications and to receive a quote contact your local Wheaton Sales Representative at 800-225-1437.**

Catalog No.	Size (mL)	Dia x Ht (mm)	Cap Size	Qty/Pack	Qty/Case
W224601	2	15.0 x 32	13-425	250	250
W224603	2	15.0 x 32	13-425	250	1000
W224613	4	15.0 x 45	13-425	250	250
W224617	4	15.0 x 45	13-425	250	1000
W224618	8	16.75 x 60	15-425	250	250
W224619	8	16.75 x 60	15-425	250	1000
W224630*	10	19 x 70	22-400	100	100
W224632*	10	19 x 70	22-400	100	500
W224634	20	26.5 x 67	24-400	100	100
W224636	20	26.5 x 67	24-400	100	500

*10mL shoulderless vial provides wider opening for sample retrieval and dispensing.



M-T Vial File®

Providing a compact, readily accessible means of sample storage, the M-T Vial File accommodates vials in individual partitions. Foam inserts provide extra protection for the vials. Clear polystyrene cases have hinged lids and alpha-numerical indexing. Files only, vials supplied separately. Internal dimensions of case: 7.25" L x 3.5" W x 2.25" D.

Catalog No.	Description	Qty/Case
228780	Stores 40, 2 & 4mL vials	6
228785	Extra index cards for 228780	35



Polypropylene Vial Racks

Catalog No.	Fits Vial Size (mL)	Open ID (mm)	Well Configuration	Qty/Case
868804	2 & 4	15.5	4 x 12	5
868810	8	17.1	6 x 15	5



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