Chromatography

> Autosampler Vial Sizer 93-94
> Crimp Top Vials 86-88
> Crimp Top / Snap Ring Vials 89-90
> Crimpers & Decappers 39-40
> Headspace Vials 92
> Instrument Compatibility Guide 95-96
> LVI™ Vials 83, 88
> Plastic Vials 84, 89
> Screw Cap Vials 81-85
> Shell Vials 91
> Vial Racks 124

ABC Vial™ 12 x 32mm

(Available in Convenience Packs)

W225151 W225153 W225150 W225152

225255 225265 225257 225350-631

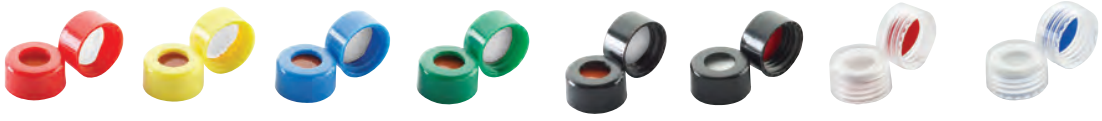
- 40% larger opening improves sample accessibility while reducing autosampler needle damage
- Manufactured from clear and amber Type I borosilicate glass
- Available with or without writing patch

Cat. No.	Size (mL)	Description	Qty / Case
W225150	1.8	Clear	1000
W225151	1.8	Clear with Writing Patch	1000
W225152	1.8	Amber	1000
W225153	1.8	Amber with Writing Patch	1000

- Limited volume inserts available separately
- Vials are packaged 100 per shelf pack and 10 packs per case
- 9mm screw thread
- Use with WHEATON ABC Screw Caps

Cat. No.	Size (mL)	Description	Qty / Case
Limited Volume Inserts (Pictured with vial)			
225255	0.10	Glass Insert with Top Spring	200
225265	0.25	Glass Insert with Bottom Spring	100
225257	0.25	Polypropylene Insert w/ Bottom Spring	100
225350-631	0.35	Glass Flat Bottom Insert	1000

ABC Screw Caps



W225330-0103 W225330-0105 W225330-0104 W225330-0107 W225330-0101 W225332-0201 W225338-08 W225334A-04

- Manufactured from polypropylene
- 100/pack with 10 packs/case
- Screw caps are available in natural, black, red, blue, yellow or green polypropylene.

Cat. No.	Description	Shelf Pack	Qty / Case
With White PTFE / Red Silicone Liners			
W225330-01	Natural PP ABC Cap	100	1000
W225330-0101	Black PP ABC Cap	100	1000
W225330-0103	Red PP ABC Cap	100	1000
W225330-0104	Blue PP ABC Cap	100	1000
W225330-0105	Yellow PP ABC Cap	100	1000
W225330-0107	Green PP ABC Cap	100	1000
With Red PTFE / White Silicone Liners			
W225332-02	Natural PP ABC Cap	100	1000
W225332-0201	Black PP ABC Cap	100	1000
W225332-0203	Red PP ABC Cap	100	1000
W225332-0204	Blue PP ABC Cap	100	1000
W225332-0205	Yellow PP ABC Cap	100	1000
W225332-0207	Green PP ABC Cap	100	1000

Cat. No.	Description	Shelf Pack	Qty / Case
With Red PTFE / White Silicone Liners with Slit			
W225338-08	Natural PP ABC Cap	100	1000
W225338-0801	Black PP ABC Cap	100	1000
W225338-0804	Blue PP ABC Cap	100	1000
With Red PTFE / White Silicone / Red PTFE Liners			
W225333-03	Natural PP ABC Cap	100	1000
W225333-0301	Black PP ABC Cap	100	1000
With Blue PTFE / White Silicone Liners			
W225334A-04	Natural PP ABC Cap	100	1000
W225334A-0401	Black PP ABC Cap	100	1000
With Red PTFE Liners			
W225336-06	Natural PP ABC Cap	100	1000
W225336-0601	Black PP ABC Cap	100	1000

ABC Vial™ Convenience Packs (12 x 32mm Screw top with 9mm ABC Screw Cap)

Cat. No.	Vial	Cap Color	Liner	Qty / Case	Vial Cat. No.	Cap Cat. No.
W225154-01	Clear	Natural	White PTFE / Red Silicone	100	W225150	W225330-01
W225154-0101	Clear	Black	White PTFE / Red Silicone	100	W225150	W225330-0101
W225154-0103	Clear	Red	White PTFE / Red Silicone	100	W225150	W225330-0103
W225154-0104	Clear	Blue	White PTFE / Red Silicone	100	W225150	W225330-0104
W225154-0105	Clear	Yellow	White PTFE / Red Silicone	100	W225150	W225330-0105
W225154-0107	Clear	Green	White PTFE / Red Silicone	100	W225150	W225330-0107
W225150-02	Clear	Natural	Red PTFE / White Silicone	100	W225150	W225332-02
W225150-0201	Clear	Black	Red PTFE / White Silicone	100	W225150	W225332-0201
W225150-0204	Clear	Blue	Red PTFE / White Silicone	100	W225150	W225332-0204
W225150-0205	Clear	Yellow	Red PTFE / White Silicone	100	W225150	W225332-0205
W225150-0207	Clear	Green	Red PTFE / White Silicone	100	W225150	W225332-0207
W225150-03	Clear	Natural	Red PTFE / White Silicone / Red PTFE	100	W225150	W225333-03

ABC Vial™ Convenience Packs (12 x 32mm Screw top with 9mm ABC Screw Cap)

Cat. No.	Vial	Cap Color	Liner	Qty / Case	Vial Cat. No.	Cap Cat. No.
W225150-0301	Clear	Black	Red PTFE / White Silicone / Red PTFE	100	W225150	W225333-0301
W225154-04	Clear	Natural	Blue PTFE / White Silicone	100	W225150	W225334A-04
W225154-0401	Clear	Black	Blue PTFE / White Silicone	100	W225150	W225334A-0401
W225150-08	Clear	Natural	Red PTFE / White Silicone with Slit	100	W225150	W225338-08
W225150-0801	Clear	Black	Red PTFE / White Silicone with Slit	100	W225150	W225338-0801
W225150-06	Clear	Natural	Red PTFE	100	W225150	W225336-06
W225150-0601	Clear	Black	Red PTFE	100	W225150	W225336-0601
W225150-0804	Clear	Blue	Red PTFE / White Silicone with Slit	100	W225150	W225338-0804
W225155-01	Clear with Patch	Natural	White PTFE / Red Silicone	100	W225151	W225330-01
W225155-0101	Clear with Patch	Black	White PTFE / Red Silicone	100	W225151	W225330-0101
W225155-0103	Clear with Patch	Red	White PTFE / Red Silicone	100	W225151	W225330-0103
W225155-0104	Clear with Patch	Blue	White PTFE / Red Silicone	100	W225151	W225330-0104
W225155-0105	Clear with Patch	Yellow	White PTFE / Red Silicone	100	W225151	W225330-0105
W225155-0107	Clear with Patch	Green	White PTFE / Red Silicone	100	W225151	W225330-0107
W225151-02	Clear with Patch	Natural	Red PTFE / White Silicone	100	W225151	W225332-02
W225151-0201	Clear with Patch	Black	Red PTFE / White Silicone	100	W225151	W225332-0201
W225151-0204	Clear with Patch	Blue	Red PTFE / White Silicone	100	W225151	W225332-0204
W225151-0205	Clear with Patch	Yellow	Red PTFE / White Silicone	100	W225151	W225332-0205
W225151-0207	Clear with Patch	Green	Red PTFE / White Silicone	100	W225151	W225332-0207
W225151-03	Clear with Patch	Natural	Red PTFE / White Silicone / Red PTFE	100	W225151	W225333-03
W225151-0301	Clear with Patch	Black	Red PTFE / White Silicone / Red PTFE	100	W225151	W225333-0301
W225151-04	Clear with Patch	Natural	Blue PTFE / White Silicone	100	W225151	W225334A-04
W225151-0401	Clear with Patch	Black	Blue PTFE / White Silicone	100	W225151	W225334A-0401
W225151-08	Clear with Patch	Natural	Red PTFE / White Silicone with Slit	100	W225151	W225338-08
W225151-0801	Clear with Patch	Black	Red PTFE / White Silicone with Slit	100	W225151	W225338-0801
W225151-06	Clear with Patch	Natural	Red PTFE	100	W225151	W225336-06
W225151-0601	Clear with Patch	Black	Red PTFE	100	W225151	W225336-0601
W225151-0804	Clear with Patch	Blue	Red PTFE / White Silicone with Slit	100	W225151	W225338-0804
W225156-01	Amber	Natural	White PTFE / Red Silicone	100	W225152	W225330-01
W225156-0101	Amber	Black	White PTFE / Red Silicone	100	W225152	W225330-0101
W225156-0103	Amber	Red	White PTFE / Red Silicone	100	W225152	W225330-0103
W225156-0104	Amber	Blue	White PTFE / Red Silicone	100	W225152	W225330-0104
W225156-0105	Amber	Yellow	White PTFE / Red Silicone	100	W225152	W225330-0105
W225156-0107	Amber	Green	White PTFE / Red Silicone	100	W225152	W225330-0107
W225152-02	Amber	Natural	Red PTFE / White Silicone	100	W225152	W225332-02
W225152-0201	Amber	Black	Red PTFE / White Silicone	100	W225152	W225332-0201
W225152-0204	Amber	Blue	Red PTFE / White Silicone	100	W225152	W225332-0204
W225152-0205	Amber	Yellow	Red PTFE / White Silicone	100	W225152	W225332-0205
W225152-0207	Amber	Green	Red PTFE / White Silicone	100	W225152	W225332-0207
W225152-03	Amber	Natural	Red PTFE / White Silicone / Red PTFE	100	W225152	W225333-03
W225152-0301	Amber	Black	Red PTFE / White Silicone / Red PTFE	100	W225152	W225333-0301
W225152-0804	Amber	Blue	Red PTFE / White Silicone with Slit	100	W225152	W225338-0804
W225156-04	Amber	Natural	Blue PTFE / White Silicone	100	W225152	W225334A-04
W225156-0401	Amber	Black	Blue PTFE / White Silicone	100	W225152	W225334A-0401
W225152-08	Amber	Natural	Red PTFE / White Silicone with Slit	100	W225152	W225338-08
W225152-0801	Amber	Black	Red PTFE / White Silicone with Slit	100	W225152	W225338-0801
W225152-06	Amber	Natural	Red PTFE	100	W225152	W225336-06
W225152-0601	Amber	Black	Red PTFE	100	W225152	W225336-0601
W225157-01	Amber with Patch	Natural	White PTFE / Red Silicone	100	W225153	W225330-01
W225157-0101	Amber with Patch	Black	White PTFE / Red Silicone	100	W225153	W225330-0101
W225157-0103	Amber with Patch	Red	White PTFE / Red Silicone	100	W225153	W225330-0103
W225157-0104	Amber with Patch	Blue	White PTFE / Red Silicone	100	W225153	W225330-0104
W225157-0105	Amber with Patch	Yellow	White PTFE / Red Silicone	100	W225153	W225330-0105
W225157-0107	Amber with Patch	Green	White PTFE / Red Silicone	100	W225153	W225330-0107
W225153-02	Amber with Patch	Natural	Red PTFE / White Silicone	100	W225153	W225332-02
W225153-0201	Amber with Patch	Black	Red PTFE / White Silicone	100	W225153	W225332-0201
W225153-0204	Amber with Patch	Blue	Red PTFE / White Silicone	100	W225153	W225332-0204
W225153-0205	Amber with Patch	Yellow	Red PTFE / White Silicone	100	W225153	W225332-0205
W225153-0207	Amber with Patch	Green	Red PTFE / White Silicone	100	W225153	W225332-0207
W225153-03	Amber with Patch	Natural	Red PTFE / White Silicone / Red PTFE	100	W225153	W225333-03
W225153-0301	Amber with Patch	Black	Red PTFE / White Silicone / Red PTFE	100	W225153	W225333-0301
W225153-0804	Amber with Patch	Blue	Red PTFE / White Silicone with Slit	100	W225153	W225338-0804
W225157-04	Amber with Patch	Natural	Blue PTFE / White Silicone	100	W225153	W225334A-04
W225157-0401	Amber with Patch	Black	Blue PTFE / White Silicone	100	W225153	W225334A-0401
W225153-08	Amber with Patch	Natural	Red PTFE / White Silicone with Slit	100	W225153	W225338-08
W225153-0801	Amber with Patch	Black	Red PTFE / White Silicone with Slit	100	W225153	W225338-0801
W225153-06	Amber with Patch	Natural	Red PTFE	100	W225153	W225336-06
W225153-0601	Amber with Patch	Black	Red PTFE	100	W225153	W225336-0601

LVI™ Vial 12 x 32mm

(Available in Convenience Packs)

- Borosilicate glass vial with 300µL glass limited volume insert
- Insert is fused to vial to prevent needle damage
- Writing patch on all vials
- Purchase vials and caps separately or together in convenience packs
- Use with WHEATON ABC Screw Caps

ABC Screw Caps (See page 81)

Cat. No	Size (mL)	Description	Qty / Case
9mm ABC Screw Cap Vial			
225326	0.3	Clear with Writing Patch	100
225328	0.3	Amber with Writing Patch	100

WHEATON LVI™ Vial Convenience Packs (12x32mm Screw Top with 9mm ABC Screw Cap)

Cat. No.	Vial	Cap Color	Liner	Qty / Case	Vial Cat. No.	Cap Cat. No.
W225327-01	Clear with Patch	Natural	White PTFE / Red Silicone	100	225326	W225330-01
W225327-0101	Clear with Patch	Black	White PTFE / Red Silicone	100	225326	W225330-0101
W225327-0103	Clear with Patch	Red	White PTFE / Red Silicone	100	225326	W225330-0103
W225327-0104	Clear with Patch	Blue	White PTFE / Red Silicone	100	225326	W225330-0104
W225327-0105	Clear with Patch	Yellow	White PTFE / Red Silicone	100	225326	W225330-0105
W225327-0107	Clear with Patch	Green	White PTFE / Red Silicone	100	225326	W225330-0107
W225326-02	Clear with Patch	Natural	Red PTFE / White Silicone	100	225326	W225332-02
W225326-0201	Clear with Patch	Black	Red PTFE / White Silicone	100	225326	W225332-0201
W225326-0204	Clear with Patch	Blue	Red PTFE / White Silicone	100	225326	W225332-0204
W225326-0205	Clear with Patch	Yellow	Red PTFE / White Silicone	100	225326	W225332-0205
W225326-0207	Clear with Patch	Green	Red PTFE / White Silicone	100	225326	W225332-0207
W225326-03	Clear with Patch	Natural	Red PTFE / White Silicone / Red PTFE	100	225326	W225333-03
W225326-0301	Clear with Patch	Black	Red PTFE / White Silicone / Red PTFE	100	225326	W225333-0301
W225326-04	Clear with Patch	Natural	Blue PTFE / White Silicone	100	225326	W225334A-04
W225326-0401	Clear with Patch	Black	Blue PTFE / White Silicone	100	225326	W225334A-0401
W225326-08	Clear with Patch	Natural	Red PTFE / White Silicone with Slit	100	225326	W225338-08
W225326-0801	Clear with Patch	Black	Red PTFE / White Silicone with Slit	100	225326	W225338-0801
W225326-06	Clear with Patch	Natural	Red PTFE	100	225326	W225336-06
W225326-0601	Clear with Patch	Black	Red PTFE	100	225326	W225336-0601
W225329-01	Amber with Patch	Natural	White PTFE / Red Silicone	100	225328	W225330-01
W225329-0101	Amber with Patch	Black	White PTFE / Red Silicone	100	225328	W225330-0101
W225329-0103	Amber with Patch	Red	White PTFE / Red Silicone	100	225328	W225330-0103
W225329-0104	Amber with Patch	Blue	White PTFE / Red Silicone	100	225328	W225330-0104
W225329-0105	Amber with Patch	Yellow	White PTFE / Red Silicone	100	225328	W225330-0105
W225329-0107	Amber with Patch	Green	White PTFE / Red Silicone	100	225328	W225330-0107
W225328-02	Amber with Patch	Natural	Red PTFE / White Silicone	100	225328	W225332-02
W225328-0201	Amber with Patch	Black	Red PTFE / White Silicone	100	225328	W225332-0201
W225328-0204	Amber with Patch	Blue	Red PTFE / White Silicone	100	225328	W225332-0204
W225328-0205	Amber with Patch	Yellow	Red PTFE / White Silicone	100	225328	W225332-0205
W225328-0207	Amber with Patch	Green	Red PTFE / White Silicone	100	225328	W225332-0207
W225328-03	Amber with Patch	Natural	Red PTFE / White Silicone / Red PTFE	100	225328	W225333-03
W225328-0301	Amber with Patch	Black	Red PTFE / White Silicone / Red PTFE	100	225328	W225333-0301
W225328-04	Amber with Patch	Natural	Blue PTFE / White Silicone	100	225328	W225334A-04
W225328-0401	Amber with Patch	Black	Blue PTFE / White Silicone	100	225328	W225334A-0401
W225328-08	Amber with Patch	Natural	Red PTFE / White Silicone with Slit	100	225328	W225338-08
W225328-0801	Amber with Patch	Black	Red PTFE / White Silicone with Slit	100	225328	W225338-0801
W225328-06	Amber with Patch	Natural	Red PTFE	100	225328	W225336-06
W225328-0601	Amber with Patch	Black	Red PTFE	100	225328	W225336-0601

Standard Opening Vial 12 x 32mm

W225910 W225900 225260 225350-531 242245

- Manufactured from clear and amber Type I borosilicate glass
- Limited volume inserts available separately
- Screw cap and septa available separately
- Purchase vials and caps separately or together in convenience packs

Cat. No.	Size (mL)	Description	Cap Size	Qty / Case
Standard Opening Vials				
W225900	1.8	Clear Vial	8-425	1000
W225910	1.8	Amber Vial	8-425	1000
Limited Volume Inserts (Pictured with Vial)				
225260	0.10	Glass Insert with Bottom Spring		100
225350-531	0.25	Glass Flat Bottom Insert		1000

Cat. No.	Size	Description	Qty / Case
Preassembled Open Top Caps and Septa			
240602	8-425	Black Polypropylene Cap with PTFE / Silicone Liner	100
242245	8-425	Natural Polypropylene cap with 10 mil Septa	1000
Open Top Caps			
W240506	8-425	Black Phenolic Cap	200
Septa for Open Top Caps			
W240580	8mm	Red PTFE Faced Silicone	100
W240581A	8mm	PTFE Faced Silicone	100
Convenience Packs			
225170	1.8mL	Clear Vial with Unassembled Cap and PTFE / Silicone Septa	240
224950	1.8mL	Clear Vial in Vial File® with Pre-assembled Cap and PTFE / Silicone Septa	60

12 x 32mm Polypropylene Vial with Insert

W225181 225185 W225186 W225237

- Economical alternative to glass
- Manufactured from chemical resistant polypropylene
- Vials are packaged 100 per shelf pack and 10 packs per case
- Conical interior ensures maximum retrieval of contents without the hassle of using removable inserts

Cat. No	Insert Size	Closure Style	Closure Size	Qty / Case
W225181	300µL	ABC Screw Thread Finish 9mm		1000
225185	300µL	Screw Thread Finish	8-425	1000
W225186	500µL	Screw Thread Finish	10-425	1000
W225237	750µL	Screw Thread Finish	10-425	1000

12 x 32mm Glass / Plastic Vial with 0.1mL Insert

225195 225205

- Thermoplastic polymer outer shell provides safety from breakage
- Type I borosilicate glass insert for contact with sample
- 100µL glass insert volume
- Conical interior ensures maximum retrival of contents without the hassle of using removable inserts

Cat. No	Closure Style	Closure Size	Qty / Case
Clear Vial			
225195	Screw Top Finish	8-425	100
Amber Vial			
225205	Screw Top Finish	8-425	100

E-Z Vial® with Step 12 x 32mm

224629 224627 224628 224626 225258 225259

- Innovative design of the vial and limited volume insert enables the insert to be precisely centered inside the vial
- Manufactured from clear and amber Type I borosilicate glass
- Limited volume inserts with step available separately
- Purchase vials and caps separately

Cat. No.	Size (mL)	Description	Cap Size	Qty / Case
E-Z Vials with Step				
224626	1.8	Clear	10-425	1000
224627	1.8	Clear with Writing Patch	10-425	1000
224628	1.8	Amber	10-425	1000
224629	1.8	Amber with Writing Patch	10-425	1000
Limited Volume Inserts (Pictured with Vial)				
225258	0.25	Glass Insert for Vial with Step		100
225259	0.25	Polypropylene Insert for Vial with Step		100

Screw Top Vial 15 x 45mm

224795 224794-01 224795-01 225268

- Manufactured from clear and amber Type I borosilicate glass
- Limited volume inserts available separately
- Purchase vials and caps separately

Cat. No.	Size (mL)	Description	Cap Size	Qty / Case
15 x 45mm Screw Top Vials				
224794-01	4	Clear with Writing Patch	13-425	1000
224795	4	Amber	13-425	1000
224795-01	4	Amber with Writing Patch	13-425	1000
Limited Volume Inserts (Pictured with Vial)				
225268	0.30	Glass Insert with Bottom Spring		100

Caps for Screw Thread Vials

242760 242766 242768 242247

- Pre-assembled black polypropylene (PP) screw cap with septa

Cat. No.	Size (mm)	Description	Qty / Case
Preassembled Open Top Caps and Septa			
242760	10-425	Black PP Cap with ETFE Red Rubber	100
242761	10-425	Black PP Cap with PTFE / Silicone / PTFE	100
242762	10-425	Black PP Cap with PTFE / Silicone	100
242766	10-425	Natural PP cap with 10 mil Septa	1000
242768	13-425	Black PP Cap with PTFE / Silicone Liner	100
242247	13-425	Natural PP cap with 10 mil Septa	1000
Solid Top Caps			
242765	10-425	Black PP Unlined Cap	1000

WHEATON®

Vial Racks

WHEATON Vial Racks are offered in a variety of sizes. These racks are manufactured from polypropylene for durability and can be easily cleaned in an automatic washer or autoclaved. WHEATON racks are sturdy and can be stacked, even when the vials are in place.

> Manufactured from polypropylene
> Easy to clean and autoclavable
> Size of the rack depends on vial OD
> Alpha numeric indexing

See more information on Vial Racks on page 124.

E-Z Vial® 12 x 32mm Crimp Top
(Available in Convenience Packs)

225174 225173 225175 225172

- 40% larger opening improves sample accessibility while reducing autosampler needle damage
- Manufactured from Type I borosilicate glass
- Purchase vials and caps separately or together in convenience packs
- Available with or without writing patch

Cat. No.	Size (mL)	Description	Qty / Case
E-Z Vial			
225175	1.8	Clear	1000
225174	1.8	Clear w/ Writing patch	1000
225172	1.8	Amber	1000
225173	1.8	Amber w/ Writing patch	1000

Standard Opening Crimp Vial 12 x 32mm

223692 223682 223692-01 223682-01

- Original design used in most autosamplers
- Manufactured from Type I borosilicate glass
- Available with or without writing patch
- Limited volume inserts available separately

Cat. No.	Size (mL)	Description	Qty / Case
Standard Crimp Vial			
223682	1.5	Clear	1000
223682-01	1.5	Clear, with Writing Patch	1000
223692	1.5	Amber	1000
223692-01	1.5	Amber, with Writing Patch	1000

Limited Volume Inserts
(For E-Z Vials® with Wide Opening)

225350-631 225265 225255 225257

Cat. No.	Size (mL)	Description	Qty / Case
Limited Volume Inserts (Pictured with Vial)			
225255	0.10	Glass Insert with Top Spring	200
225265	0.25	Glass Insert with Bottom Spring	100
225257	0.25	Polypropylene Insert w/ Bottom Spring	100
225350-631	0.35	Glass Flat Bottom Insert	1000

Limited Volume Inserts
(For Standard Opening Vials)

225350-531 225260

Cat. No.	Size (mL)	Description	Qty / Case
Limited Volume Insert (Pictured with Vial)			
225260	0.10	Glass Insert with Bottom Spring	100
225350-531	0.25	Glass Flat Bottom Insert	1000

E-Z Seals™ 11mm Aluminum

- For use with 12 x 32mm crimp top vials
- Large target diameter
- Seals available in 4 colors
- Choice of liner

Cat. No.	Description	Shelf Pack	Qty / Case
With Natural PTFE / Red Silicone			
224211-01	Natural Aluminum	100	1000
224211-05	Blue Aluminum	100	1000
224211-06	Red Aluminum	100	1000
224211-07	Green Aluminum	100	1000
With Natural PTFE / Natural Silicone Liner			
224219-01	Natural Aluminum	100	1000
224219-05	Blue Aluminum	100	1000
224219-06	Red Aluminum	100	1000
224219-07	Green Aluminum	100	1000
With Red PTFE / Natural Silicone / Red PTFE Liner			
224231-01	Natural Aluminum	100	1000
224231-05	Blue Aluminum	100	1000
224231-06	Red Aluminum	100	1000
224231-07	Green Aluminum	100	1000
With PTFE / Gray Butyl Liner			
224235-01	Natural Aluminum	100	1000

E-Z Vial® 12 x 32mm Crimp Top Convenience Packs (12 x 32mm Crimp Top Vial with 11mm E-Z Seal™)

Cat. No.	Vial	Seal Color	Septum	Qty / Case	Vial Cat. No.	Seal Cat. No.
W225175-01	Clear	Natural	PTFE / Red Rubber	100	225175	224211-01
W225175-0103	Clear	Red	PTFE / Red Rubber	100	225175	224211-05
W225175-0104	Clear	Blue	PTFE / Red Rubber	100	225175	224211-06
W225175-0107	Clear	Green	PTFE / Red Rubber	100	225175	224211-07
W225175-02	Clear	Natural	PTFE / Silicone	100	225175	224219-01
W225175-0203	Clear	Red	PTFE / Silicone	100	225175	224219-05
W225175-0204	Clear	Blue	PTFE / Silicone	100	225175	224219-06
W225175-0207	Clear	Green	PTFE / Silicone	100	225175	224219-07
W225175-0303	Clear	Red	PTFE / Silicone / PTFE	100	225175	224231-05
W225175-0304	Clear	Blue	PTFE / Silicone / PTFE	100	225175	224231-06
W225174-01	Clear with Patch	Natural	PTFE / Red Rubber	100	225174	224211-01
W225174-0103	Clear with Patch	Red	PTFE / Red Rubber	100	225174	224211-05
W225174-0104	Clear with Patch	Blue	PTFE / Red Rubber	100	225174	224211-06
W225174-0107	Clear with Patch	Green	PTFE / Red Rubber	100	225174	224211-07
W225174-02	Clear with Patch	Natural	PTFE / Silicone	100	225174	224219-01
W225174-0203	Clear with Patch	Red	PTFE / Silicone	100	225174	224219-05
W225174-0204	Clear with Patch	Blue	PTFE / Silicone	100	225174	224219-06
W225174-0207	Clear with Patch	Green	PTFE / Silicone	100	225174	224219-07
W225174-0303	Clear with Patch	Red	PTFE / Silicone / PTFE	100	225174	224231-05
W225174-0304	Clear with Patch	Blue	PTFE / Silicone / PTFE	100	225174	224231-06
W225172-01	Amber	Natural	PTFE / Red Rubber	100	225172	224211-01
W225172-0103	Amber	Red	PTFE / Red Rubber	100	225172	224211-05
W225172-0104	Amber	Blue	PTFE / Red Rubber	100	225172	224211-06
W225172-0107	Amber	Green	PTFE / Red Rubber	100	225172	224211-07
W225172-02	Amber	Natural	PTFE / Silicone	100	225172	224219-01
W225172-0203	Amber	Red	PTFE / Silicone	100	225172	224219-05
W225172-0204	Amber	Blue	PTFE / Silicone	100	225172	224219-06
W225172-0207	Amber	Green	PTFE / Silicone	100	225172	224219-07
W225172-0303	Amber	Red	PTFE / Silicone / PTFE	100	225172	224231-05
W225172-0304	Amber	Blue	PTFE / Silicone / PTFE	100	225172	224231-06
W225173-01	Amber with Patch	Natural	PTFE / Red Rubber	100	225173	224211-01
W225173-0103	Amber with Patch	Red	PTFE / Red Rubber	100	225173	224211-05
W225173-0104	Amber with Patch	Blue	PTFE / Red Rubber	100	225173	224211-06
W225173-0107	Amber with Patch	Green	PTFE / Red Rubber	100	225173	224211-07
W225173-02	Amber with Patch	Natural	PTFE / Silicone	100	225173	224219-01
W225173-0203	Amber with Patch	Red	PTFE / Silicone	100	225173	224219-05
W225173-0204	Amber with Patch	Blue	PTFE / Silicone	100	225173	224219-06
W225173-0207	Amber with Patch	Green	PTFE / Silicone	100	225173	224219-07
W225173-0303	Amber with Patch	Red	PTFE / Silicone / PTFE	100	225173	224231-05
W225173-0304	Amber with Patch	Blue	PTFE / Silicone / PTFE	100	225173	224231-06

LVI™ Vials 12 x 32mm Crimp Top

225221-01

225220-01

- Borosilicate glass vial with 300µL glass limited volume insert
- Limited Volume Insert is fused to vial which prevents needle damage
- Writing patch on all vials
- Purchase vials and caps separately or together in convenience packs

Cat. No.	Size (mL)	Description	Qty / Case
LVI Vial			
225220-01	0.3	Clear with Writing Patch	100
225221-01	0.3	Amber with Writing Patch	100

E-Z Seals™ 11mm Aluminum (See page 86)

LVI™ Vials 12 x 32mm Crimp Top Convenience Packs

- 12 x 32mm LVI™ Vial & 11mm Aluminum E-Z Seal™
- Choose clear or amber glass vial
- Writing patch on all vials

Cat. No.	Vial	Seal Color	Septum	Qty / Case	Vial Cat. No.	Seal Cat. No.
W225223-01	Clear with Patch	Natural	PTFE / Red Rubber	100	225220-01	224211-01
W225225-01	Amber with Patch	Natural	PTFE / Red Rubber	100	225221-01	224211-01

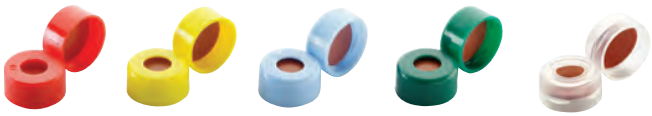
E-Z Vial® with Snap Ring 12 x 32mm
(Available in Convenience Packs)

225179 225179-02 225179-01 225179-03

- Snap ring vials eliminate the need for crimping and decapping tools
- Vials accept snap cap or 11mm aluminum seal
- 40% larger opening improves sample accessibility while reducing auto sampler needle damage
- Clear or amber Type I borosilicate glass

Cat. No.	Size (mL)	Description	Qty / Case
E-Z Vial with Snap Ring			
225179	1.8	Clear	1000
225179-01	1.8	Clear with Writing Patch	1000
225179-02	1.8	Amber	1000
225179-03	1.8	Amber with Writing Patch	1000

11mm Snap Caps



242772-04 242772-05 242772-01 242772-02 242786

- Eliminate the need for crimping and decapping tools
- Fits the WHEATON E-Z Vials® with Snap Ring top
- Manufactured from polyethylene
- Choose from 5 colored caps and a variety of septa

Cat. No.	Description	Shelf Pack	Qty / Case
With PTFE / Red Rubber Septa			
242786	Natural Cap	100	1000
With PTFE / Silicone Septa			
242775	Natural Cap with Cross Slit	100	1000
242776	Natural Cap	100	1000
242776-01	Blue Cap	100	1000
242776-02	Green Cap	100	1000
242776-04	Red Cap	100	1000
242776-05	Yellow Cap	100	1000
With Red PTFE / Silicone / Red PTFE Septa			
242772	Natural Cap	100	1000
242772-01	Blue Cap	100	1000
242772-02	Green Cap	100	1000
242772-04	Red Cap	100	1000
242772-05	Yellow Cap	100	1000
242772-06	Natural Cap with Star Slit	100	1000
With PTFE Septa			
242782	Natural Cap	100	1000

Limited Volume Inserts
(For Snap Ring Vials)

225255 225265 225257 225350-631

- Available with or without writing patch
- Glass and polypropylene limited volume inserts
- Purchase vials and snap caps separately or together in convenience packs
- Packaged in shrink-wrapped trays of 100 for convenience and cleanliness

Cat. No.	Size (mL)	Description	Qty / Case
Limited Volume Inserts (Pictured with Vial)			
225255	0.10	Glass Insert with Top Spring	200
225265	0.25	Glass Insert with Bottom Spring	100
225257	0.25	Polypropylene Insert w/ Bottom Spring	100
225350-631	0.35	Glass Flat Bottom Insert	1000

12 x 32mm Polypropylene Vial with Insert

225180 W225187 225235

- Economical alternative to glass
- Manufactured from chemical resistant polypropylene
- Vials are packaged 100 per shelf pack and 10 packs per case
- Conical interior ensures maximum retrieval of contents without the hassle of removable inserts

Cat. No.	Insert Size	Closure Style	Closure Size	Qty / Case
225180	300µL	Snap / Crimp Finish	11mm	1000
W225187	500µL	Snap / Crimp Finish	11mm	1000
225235	750µL	Snap / Crimp Finish	11mm	1000

12 x 32mm Glass / Plastic Vial with 0.1mL Insert

225190 225200

- Thermoplastic polymer outer shell provides safety from breakage
- Type I borosilicate glass insert for contact with sample
- 100µL glass insert volume
- Conical interior ensures maximum retrieval of contents without the hassle of removable inserts

Cat. No	Closure Style	Color	Closure Size	Qty / Case
225190	Snap / Crimp Finish	Clear	11mm	100
225200	Snap / Crimp Finish	Amber	11mm	100

E-Z Vial® with Snap Ring Convenience packs (12 x 32mm Snap Top with 11mm Snap Cap)

Cat. No.	Vial	Cap Color	Septum	Qty / Case	Vial Cat. No.	Cap Cat. No.
W224620-01	Clear	Natural	PTFE / Red Rubber	100	225179	242786
W224620-02	Clear	Natural	PTFE / Silicone	100	225179	242776
W224620-0203	Clear	Red	PTFE / Silicone	100	225179	242776-04
W224620-0204	Clear	Blue	PTFE / Silicone	100	225179	242776-01
W224620-0205	Clear	Yellow	PTFE / Silicone	100	225179	242776-05
W224620-0207	Clear	Green	PTFE / Silicone	100	225179	242776-02
W224620-03	Clear	Natural	PTFE / Silicone / PTFE	100	225179	242772
W224620-0303	Clear	Red	PTFE / Silicone / PTFE	100	225179	242772-04
W224620-0304	Clear	Blue	PTFE / Silicone / PTFE	100	225179	242772-01
W224620-0305	Clear	Yellow	PTFE / Silicone / PTFE	100	225179	242772-05
W224620-0307	Clear	Green	PTFE / Silicone / PTFE	100	225179	242772-02
W224621-01	Clear with Patch	Natural	PTFE / Red Rubber	100	225179-01	242786
W224621-02	Clear with Patch	Natural	PTFE / Silicone	100	225179-01	242776
W224621-0203	Clear with Patch	Red	PTFE / Silicone	100	225179-01	242776-04
W224621-0204	Clear with Patch	Blue	PTFE / Silicone	100	225179-01	242776-01
W224621-0205	Clear with Patch	Yellow	PTFE / Silicone	100	225179-01	242776-05
W224621-0207	Clear with Patch	Green	PTFE / Silicone	100	225179-01	242776-02
W224621-03	Clear with Patch	Natural	PTFE / Silicone / PTFE	100	225179-01	242772
W224621-0303	Clear with Patch	Red	PTFE / Silicone / PTFE	100	225179-01	242772-04
W224621-0304	Clear with Patch	Blue	PTFE / Silicone / PTFE	100	225179-01	242772-01
W224621-0305	Clear with Patch	Yellow	PTFE / Silicone / PTFE	100	225179-01	242772-05
W224621-0307	Clear with Patch	Green	PTFE / Silicone / PTFE	100	225179-01	242772-02
W224622-01	Amber	Natural	PTFE / Red Rubber	100	225179-02	242786
W224622-02	Amber	Natural	PTFE / Silicone	100	225179-02	242776
W224622-0203	Amber	Red	PTFE / Silicone	100	225179-02	242776-04
W224622-0204	Amber	Blue	PTFE / Silicone	100	225179-02	242776-01
W224622-0205	Amber	Yellow	PTFE / Silicone	100	225179-02	242776-05
W224622-0207	Amber	Green	PTFE / Silicone	100	225179-02	242776-02
W224622-03	Amber	Natural	PTFE / Silicone / PTFE	100	225179-02	242772
W224622-0303	Amber	Red	PTFE / Silicone / PTFE	100	225179-02	242772-04
W224622-0304	Amber	Blue	PTFE / Silicone / PTFE	100	225179-02	242772-01
W224622-0305	Amber	Yellow	PTFE / Silicone / PTFE	100	225179-02	242772-05
W224622-0307	Amber	Green	PTFE / Silicone / PTFE	100	225179-02	242772-02
W224623-01	Amber with Patch	Natural	PTFE / Red Rubber	100	225179-03	242786
W224623-02	Amber with Patch	Natural	PTFE / Silicone	100	225179-03	242776
W224623-0203	Amber with Patch	Red	PTFE / Silicone	100	225179-03	242776-04
W224623-0204	Amber with Patch	Blue	PTFE / Silicone	100	225179-03	242776-01
W224623-0205	Amber with Patch	Yellow	PTFE / Silicone	100	225179-03	242776-05
W224623-0207	Amber with Patch	Green	PTFE / Silicone	100	225179-03	242776-02
W224623-03	Amber with Patch	Natural	PTFE / Silicone / PTFE	100	225179-03	242772
W224623-0303	Amber with Patch	Red	PTFE / Silicone / PTFE	100	225179-03	242772-04
W224623-0304	Amber with Patch	Blue	PTFE / Silicone / PTFE	100	225179-03	242772-01
W224623-0305	Amber with Patch	Yellow	PTFE / Silicone / PTFE	100	225179-03	242772-05
W224623-0307	Amber with Patch	Green	PTFE / Silicone / PTFE	100	225179-03	242772-02

Shell Vial 8 x 40mm
(Available in Convenience Packs)

W225243 225242 225241 W225251

- Can be used in Waters WISP™ 96-position autosampler
- Choice of borosilicate glass or polypropylene
- 0.15 or 0.20mL limited volume insert
- Snap plug closures available in 5 colors
- Purchase vials and caps separately or together in convenience packs
- Polyethylene snap plug caps feature a starburst top for easier needle penetration

Cat. No.	Size (mL)	Description	Qty / Case
8 x 40mm Shell Vial			
W225243	1	Glass Shell Vial, Clear	1000
225241	1	Polypropylene Shell Vial	1000
225242	0.7	Polypropylene Limited Volume Shell Vial	1000
Limited Volume Insert (Pictured with Vial)			
W225251	0.15	Glass Insert with Bottom Spring	100
Convenience Pack			
W225244	1	Glass Shell Vial with 8mm Snap Plug Cap (Cat. No. 242800)	1000

Snap Plug Caps (For 8 x 40mm Shell Vials)

242806 242802 242808 242804 242800

Cat. No.	Size (mm)	Description	Qty / Case
242800	8	Natural	1000
242802	8	Red	1000
242804	8	Blue	1000
242806	8	Green	1000
242808	8	Yellow	1000

Shell Vial 12 x 32mm
(Available in Convenience Packs)

225120 225124 225121 242810

- Choice of borosilicate glass or polypropylene
- Snap plug closure available in natural polyethylene
- Purchase vials and caps separately or together in convenience packs
- Polyethylene snap plug caps feature a starburst top for easier needle penetration

Cat. No.	Size (mL)	Description	Qty / Case
12 x 32 Shell Vial			
225120	2	Glass Shell Vial, Clear	1000
225121	2	Glass Shell Vial, Amber	1000
225124	2	Polypropylene Shell Vial	1000
Snap Plug Cap			
242810	12mm	Natural	1000
Convenience Pack			
W225122	2	Glass Shell Vial, Clear w/ Plug Cap	1000
W225123	2	Glass Shell Vial, Amber w/ Plug Cap	1000
W225125	2	Polypropylene Shell Vial w/ Plug Cap	1000

Shell Vial 15 x 45mm

225126 225129 225127 225130 242815

- Choice of borosilicate glass or polypropylene
- Snap plug closure available in low density polyethylene
- Purchase vials and snap plug caps separately
- Polyethylene snap plug caps feature a starburst top for easier needle penetration

Cat. No.	Size (mL)	Description	Qty / Case
15 x 45mm Shell Vial			
225126	4	Glass Shell Vial, Clear	1000
225127	4	Glass Shell Vial, Amber	1000
225129	4	Polypropylene Shell Vial	1000
225130	3	Polypropylene Limited Volume Shell Vial	1000
15mm Snap Plug Cap			
242815	—	Natural	1000

Headspace Vials, Crimp Top

Rounded Bottom

Flat Bottom

- Manufactured from clear Type I borosilicate glass
- Accept 20mm aluminum seals
- Variety of aluminum seal styles and septa materials available
- Purchase vials separately or together with seals in convenience packs

Cat. No.	Size (mL)	Dia. x H (mm)	Qty / Case
Rounded Bottom, Beveled Finish			
225277	6	22 x 38	100
225278	10	23 x 46	100
225280	20	23 x 75	100
Rounded Bottom, Standard Finish, Long Neck			
W225279	20	23 x 75.5	100
Flat Bottom, Beveled Finish			
W225281	6	22 x 38	100
W225282	10	23 x 46	100
W225283	20	23 x 75	100

Headspace Crimp Seals

Standard

Pressure Release

Magnetic

- Pressure release seals feature score lines that allow for internal pressure release when 3.0 ± 0.5 bar has been exceeded

Cat. No.	Size (mm)	Seal Color	Description	Qty / Case
Standard				
W224221	20	Natural	PTFE / Silicone Septa	100
W224224	20	Natural	PTFE / Butyl Septa	100
W224225	20	Natural	PTFE / Gray Butyl Molded Septa	100
Pressure Release				
W224215	20	Natural	PTFE / Silicone Septa	100
W224216	20	Natural	PTFE / Gray Butyl Molded Septa	100
W224217	20	Natural	Aluminum Faced Silicone Septa	100
Magnetic				
W224223	20	Gold	PTFE / Silicone Septa	100

Aluminum Seal and Septa Components

224178-01

224183-01

W224100-181

W224173

224168

Cat. No.	Size (mm)	Description	Qty / Case
224178-01	20	Open Top, Unlined Aluminum Seal	1000
224183-01	20	Center Disc Tear-Out, Unlined Aluminum Seal	1000
W224100-181	20	Gray Butyl Stopper	1000
W224173	20	PTFE / Silicone Septa	100
224168	20	PTFE / Gray Butyl Molded Septa	100

Headspace Vials, Screw Thread

W225284

W225285

W225286

W225287

- Manufactured from clear Type I borosilicate glass
- Screw thread finish eliminates the need for crimping tools
- Accepts 18mm screw thread closures with septa

Cat. No.	Size (mL)	Dia. x H. (mm)	Qty / Case
Clear			
W225284	10	23 x 46	100
W225286	20	23 x 75.5	100
Amber			
W225285	10	23 x 46	100
W225287	20	23 x 75.5	100

Screw Thread Headspace Closures

W224218

W224219

W224220

- Magnetic screw caps allow for use in magnetic transport autosamplers

Cat. No.	Size (mm)	Description	Qty / Case
W224218	18	White PTFE / Transparent Blue Silicone Septa	100
W224219	18	PTFE / Butyl Septa	100
W224220	18	Red PTFE / White Silicone Septa	100

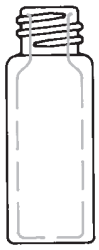
Convenience Packs

- Each convenience pack includes 100 rounded bottom, beveled finish vials and 100 20mm pressure release crimp seals
- Pressure release seals release pressure when 3.0±0.5 bar has been exceeded
- Seals are natural colored

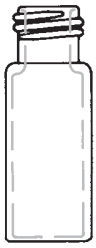
Cat. No.	Vial Size (mL)	Description	Qty / Case
W225278-01	10	PTFE / Silicone Septa	100
W225278-02	10	PTFE / Gray Butyl Molded Septa	100
W225278-03	10	Aluminum Faced Silicone Septa	100
W225280-01	20	PTFE / Silicone Septa	100
W225280-02	20	PTFE / Gray Butyl Molded Septa	100
W225280-03	20	Aluminum Faced Silicone Septa	100

Screw Cap Vials

12 x 32mm

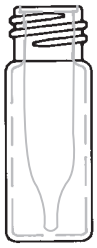


W225900 (Clear)
W225910 (Amber)

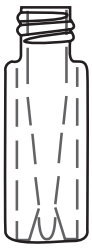


W225150 (Clear)
W225151 (Clear)
W225152 (Amber)
W225153 (Amber)

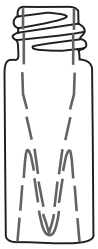
224626 (Clear)
224627 (Clear)
224628 (Amber)
224629 (Amber)



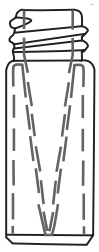
225326 (Clear)
225328 (Amber)



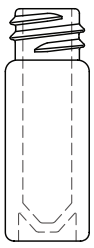
225185 (Clear)



W225186 (Clear)



W225181 (Clear)

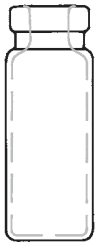


W225237 (Clear)

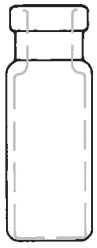
225195 (Clear)
225205 (Amber)

Crimp Top Vials

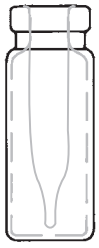
12 x 32mm



223682 (Clear)
223682-01 (Clear)
223692 (Amber)
223692-01 (Amber)



225172 (Amber)
225173 (Amber)
225174 (Clear)
225175 (Clear)

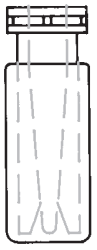


225220-01 (Clear)
225221-01 (Amber)

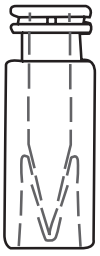
Snap Ring Vials

12 x 32mm

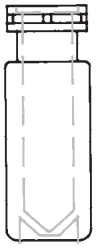
225179 (Clear)
225179-01 (Clear)
225179-02
(Amber)
225179-03
(Amber)



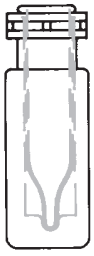
225180 (Clear)



W225187 (Clear)

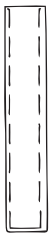


225235 (Clear)



225190 (Clear)
225200 (Amber)

Limited Volume Inserts



225350-631
Flat Bottom
Wide Open-
ing

225350-531
Flat Bottom
Standard
Opening

225255
Top Spring
Wide Open-
ing

225258
225259
With
Step

225260
Bottom Spring
Standard
Opening

225265
Bottom
Spring
Wide Open-
ing

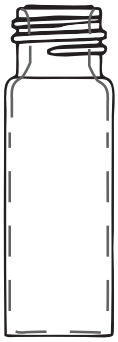
225257
Bottom
Spring
Wide Open-
ing

W225251
Bottom
Spring

225268
Bottom
Spring

Screw Cap Vials

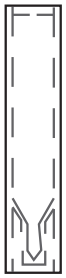
15 x 45mm



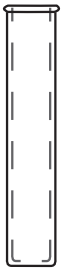
224794-01 (Clear)
224795 (Amber)
224795-01 (Amber)

Shell Vials

8 x 40mm

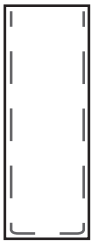


225242 (Clear)



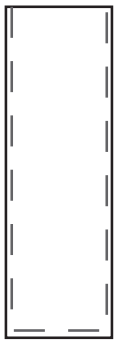
W225243 (Clear)
225241 (Clear)

12 x 32mm



225120 (Clear)
225121 (Amber)
225124 (Clear)

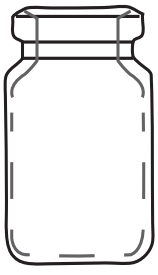
15 x 45mm



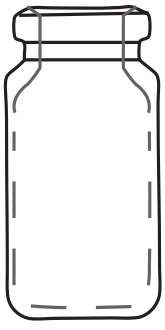
225126 (Clear)
225127 (Amber)
225129 (Clear)

225130 (Clear)

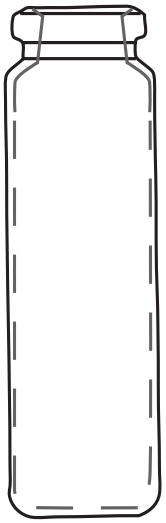
Headspace Vials



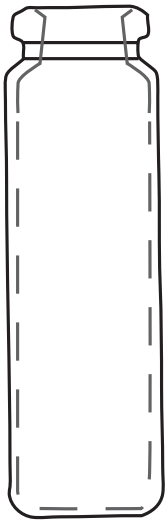
225277 (Clear)



225278 (Clear)



225280 (Clear)



985688 (Clear)

Color Codes:

RED - Glass Vials BLUE - Plastic Vials GREEN - Glass / Plastic Vials

WHEATON Chromatography Vials and inserts are shown at exact size. The catalog numbers are color coded by vial material.

Vial Size (mm)	8 x 40	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	15 x 45	15 x 45
Vial Type	Shell Vial	Shell Vial	Crimp Finish	Snap / Crimp	ABC 9mm Screw Thread	8-425 Screw Thread	10-425 Screw Thread	13-425 Screw Thread	Shell Vial
Mfr. & Model									
Agilent GC									
CTC Combi PAL / GC PAL	—	—	•	•	•	—	—	—	—
7890A	—	—	•	•	•	—	—	—	—
7673 / 7683	—	—	•	•	•	—	—	—	—
7670A / 7671A	—	—	•	•	•	—	—	—	—
6820 / 6850 / 6890N	—	—	•	•	•	—	•	•	—
5975C	—	—	•	•	•	—	—	—	—
5890 / 7985A / 6890	—	—	•	•	•	—	—	—	—
Agilent LC									
1200 Series	—	—	•	•	•	—	—	—	—
1100 Series Prep	—	—	•	•	•	—	—	—	—
1100 Series Standard	—	—	•	•	•	—	—	—	—
1050	—	—	•	•	•	•	—	—	—
1090	—	—	•	•	•	—	—	—	—
Alcott Chrom									
719D	—	—	•	•	•	•	•	—	—
718AL	—	—	•	•	•	•	•	—	—
728	—	—	—	—	—	—	—	—	—
Alltech Associates									
580	—	—	•	•	•	•	•		—
570	—	—	•	•	•	•	•	•	—
Amersham Pharmacia Biotech (Division of Applied Biosystems Group)									
2157-010	—	—	•	•	—	•	—	—	—
2457-020	—	—	—	—	—	—	—	—	—
Beckman Coulter									
501 / 502 / 507	—	—	—	—	—	•	•	—	—
504	—	—	—	—	—	—	—	•	—
508	—	—	—	—	—	—	—	•	—
Bruker / Daltronics									
LC 51	—	—	—	—	—	—	—	•	•
CE Instruments (Division of Thermo Fisher Scientific)									
42 Place Tray	—	—	•	•	—	—	—	•	•
60 Place Tray	—	—	—	—	—	—	—	—	—
AS105 Tray	—	—	•	•	—	—	—	—	—
AS 200 Tray	—	—	—	—	—	—	—	—	—
Dani									
ALS 86.80	—	—	•	•	•	•	—	—	—
ALS 39.80	—	—	•	•	•	•	—	—	—
Dionex / Gynkotek									
Gina	—	—	•	•	—	•	—	—	—
ALI-100	—	—	—	•	•	•	—	—	—
AS 509	—	—	—	•	•	•	—	—	—
Dynatech / Precision									
WPS-3000	—	—	•	•	•	•	—	—	—
42 Place Tray	—	—	•	•	•	•	—	—	—
60 Place Tray	—	—	—	—	—	—	—	—	—
LC2000	—	—	—	—	•	—	—	—	—
231 XL, 232 XL	—	—	•	•	•	•	—	—	—
ESA / LC Packing									
Model 542	—	—	•	•	•	•	—	—	—
Midas	—	—	•	•	•	•	—	—	—
Gilson									
233 Sample Changer	—	—	—	—	—	—	—	—	—
231 XL / 232XL / 233XL	—	—	•	•	•	•	—	—	—
GX-271 / 281	—	—	•	•	•	•	—	—	—
Aspec XL	—	—	•	•	•	•	—	—	—
Hitachi									
L2200	—	—	•	•	•	•	—	—	—
L7250	—	—	•	•	•	•	•	•	—
L8800	—	—	—	•	•	—	—	—	—
L7200	•		—	—	•	•	—	•	•
AS-2000	—	—	•	•	•	•	—	—	—
AS-4000	—	—	•	•	•	•	—	—	—

Vial Size (mm)	8 x 40	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	15 x 45	15 x 45
Vial Type	Shell Vial	Shell Vial	Crimp Finish	Snap / Crimp	ABC 9mm Screw Thread	8-425 Screw Thread	10-425 Screw Thread	13-425 Screw Thread	Shell Vial
Mfr. & Model									
Jasco									
AS-2050 / 2055/2057	—	—	•	•	•	•	—	—	—
AS-2059	—	—	•	•	•	•	—	—	—
AS-1555 / 1555-10	—	—	•	•	•	•	—	—	—
AS-1559	—	—	•	•	•	•	—	—	—
851-AS, AS-900	—	—	•	•	•	•	—	—	—
LC 800 / 900 Series	—	—	—	—	—	•	—	—	—
Leap Technologies									
CTC DI PAL	—	—	•	•	•	•	—	—	—
CTC Combi PAL	—	—	•	•	•	•	—	—	—
CTC A200E	—	—	•	•	•	•	—	—	—
CTC HTS PAL	—	—	•	•	•	•	—	•	—
CTC HTS Twin PAL	—	—	•	•	•	•	—	—	—
CTC HTC PAL	—	—	•	•	•	•	—	—	—
CTC LC mini PAL	—	—	•	•	•	•	—	—	—
CTC A2000S	—	—	•	•	•	•	—	—	—
A200LC	—	—	•	•	—	—	—	—	—
Perkin Elmer									
Claris 500, 600	—	—	•	•	•	•	—	—	—
Autosystem	—	—	•	•	•	•	—	—	—
Autosystem XL	—	—	•	•	•	•	—	—	—
Series 200	—	—	•	•	•	•	—	—	—
Integral 4000	—	—	•	—	—	—	—	—	—
ISS 100, ISS 200	—	—	•	•	•	—	—	—	—
LC 600 42 Place Tray	—	—	•	•	•	—	—	—	—
Phillips / Pye UNICAM									
4710	—	—	•	•	—	•	—	—	—
4700LC-GC / S4/S8	—	—	—	—	—	—	—	—	—
4247	—	—	•	•	—	•	—	—	—
C-XP	—	—	—	—	—	—	—	•	•
Shimadzu GC									
AOC-20i / AOC-20s	—	—	—	—	—	•	•	•	•
AOC-8B	—	—	—	—	—	•	—	—	—
AOC-5000	•	—	—	—	—	•	—	—	—
AOC-14 / AOC-17	—	—	—	—	—	•	—	•	•
Shimadzu HPLC									
SIL-HTa / SIL-HTc	•	—	—	•	•	•	•	•	—
SIL-10ADVP	•	—	—	•	•	•	•	•	—
SIL-10A / SIL-10Ai / SIL-10Ap	•	—	—	•	•	•	•	•	—
SIL-6B / SIL-9A / SIL-8A	—	—	—	—	—	•	—	—	—
SIL-10AD	—	—	—	•	•	•	•	—	—
Promis	•	—	•	•	•	•	—	—	—
Spark Holland									
Reliance	—	—	•	•	•	•	—	—	—
Midas	—	—	•	•	•	•	—	—	—
Marathon	•	—	•	•	•	•	—	—	—
Triathon	•	—	•	•	—	•	—	—	—
Thermo Scientific (Division of Thermo Fisher Scientific)									
AS1000 / AS3000 / AS3500	—	—	•	•	—	•	—	—	—
TriPlus AS / HS / DUO	—	—	•	•	—	•	—	—	—
Surveyer Plus / Plus Lite	—	—	•	•	—	•	—	—	—
Accela	—	—	•	•	—	•	—	—	—
8875 / 8880	—	—	•	•	—	•	—	—	—
Varian GC									
CP-8400 / CP-8410	—	—	•	•	•	•	—	—	—
8200CX	—	—	—	—	•	—	—	—	—
Ultra GC / MS	—	—	—	—	•	—	—	—	—
8100 / 8200	—	—	•	•	•	•	•	—	—
Varian LC									
9100 / 9090 / 9095	—	—	•	•	—	•	—	—	—
ProStar 400 / 410	—	—	—	•	•	—	—	—	—
ProStar 420 / 430	—	—	—	•	•	—	—	—	—
Marathon	•	—	•	•	•	•	—	—	—
Waters LC									
Acquity	—	—	—	•	•	•	•	—	—
Alliance	•	—	—	•	•	•	—	•	•
Breeze	•	—	—	•	•	•	—	•	—
717 Plus	•	—	—	•	•	•	—	•	•
2700 Sample Manager	—	—	—	•	•	—	—	—	—
710 / 712 / 715	—	—	•	—	—	—	—	•	•