

Autosampler Vials



Chromacol has been involved in the design and manufacture of vials, caps and seals for chromatography for almost as long as chromatography has been used as an automatic analytical technique.

Therefore Chromacol is able to offer the most suitable combinations for the most popular instruments currently in use.

Instrument Select is a range of low cost convenience kits for chromatography autosamplers. Each box contains 100 vials, caps and seals in a "clam-shell" pack made from specially selected chromatographically clean materials.

Agilent Technologies (HP) 1050, 1100 and 1200

Our 11-AC7, red rubber and PTFE, crimp caps, are ideal for this instrument and our 11-AC-ST15 and 11-AC-ST101 silicone seals may be used when a more aggressive solvent is specified.

The Instrument Select product code HPL includes 1000 2-CV vials and 1000 11-AC7 crimp caps specially selected to be compatible with this instrument.

Key to products ■ Vial ■ Cap ■ Combination Pack

Bold items in grey are our standard products, used in the combination packs.

PART NUMBER	DESCRIPTION	12 x 32mm crimp and snap cap vials and caps	PACK SIZE
HPL	2mL crimp top vial with a type 7 rubber/PTFE seal.		100
2-CV	2mL, clear glass, crimp top, flat bottom, wide neck vial. With write-on patch.		500
1.1-CTVG	1.1mL, clear glass, crimp top, tapered, wide neck vial. Made from inert Chromacol Gold™ grade glass. Needs PTFE support, reference TTS-313. See page 78.		
09-FIV	900µL Micro+ crimp top, fused insert vial, clear.		500
06-PECV	600µL, polyethylene vial with an internal tapered profile.		500
03-FIV	300µL, Micro+ one piece, clear glass insert and vial combination. With write-on patch.		500
11-AC7	Aluminium crimp cap fitted with a type 7, rubber/PTFE seal. Shore hardness value 60. Other colours and seals available. See page 32.		500
2-RV	2mL snap cap vial with write on patch - clear.		500
11-PSN(B)-8RTI	11mm polyethylene snap cap pre-fitted with a red rubber/PTFE seal. Shore hardness value 58.		500

PART NUMBER	DESCRIPTION	6 and 7 x 32mm crimp top vials and cap	PACK SIZE
08-CRV(A)	800µL, amber glass, crimp top, round bottom vial. Needs WS-5 support.		500
06-CTV(A)	600µL, amber glass, crimp top, tapered vial. Needs WS-5 support.		500
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass. Needs support reference SV-S11A. See page 28.		
8-AC7	Aluminium crimp cap fitted with a type 7, rubber/PTFE seal. Shore hardness value 60. Other colours and seals available. See page 29.		1000

PART NUMBER	DESCRIPTION	12 x 32mm wide neck screw top vials and cap	PACK SIZE
HPLS	2mL screw top vial with a type 8 rubber/PTFE seal.		100
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+, screw top, fused insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination with write-on patch.		500
9-SC(B)-8RTI	9mm screw cap (blue) prefitted rubber PTFE seal. Shore hardness value 58. Other colours and seals available. See page 36.		500
4-SV	4mL wash vial, 15 x 46mm, clear glass, screw top, flat bottom. See page 38.		500



Agilent Technologies (HP) 7673A/1/1/1

One of the world's most popular autosamplers is the HP 7673A, and there are many Chromacol vials of different shape and volume, caps and seals with many different formulations, which are ideal for this instrument. Our 2-CV vials and 11-AC7 caps, included in our Instrument Select packs HPG, are a perfect match and our Micro+ range of vials are ideal for microsampling. For the full range of our GC Septa, please request a copy of our GC Septa brochure or see page 56.

Key to products ■ Vial ■ Cap ■ Combination Pack

Bold items in grey are our standard products, used in the combination packs.

PART NUMBER	DESCRIPTION	12 x 32mm crimp and snap cap vials and caps	PACK SIZE
HPG	2mL crimp top vial with a type 7 rubber/PTFE seal.		100
2-CV	2mL, clear glass, crimp top, flat bottom, wide neck vial. With write-on patch.		500
09-FIV	900µL Micro+ crimp top, fused insert vial, clear.		500
06-PECV	600µL, polyethylene vial with an internal tapered profile.		500
03-FIV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
11-AC7	Aluminium crimp cap fitted with a type 7, rubber/PTFE seal. Shore hardness value 60. Other colours and seals available. See page 32.		500
2-RV	2mL snap cap vial with write on patch - clear.		500
11-PSN(B)-8RT1	11mm polyethylene snap cap pre-fitted with a red rubber/PTFE seal. Shore hardness value 58.		500

PART NUMBER	DESCRIPTION	6 x 32mm crimp top vial and cap	PACK SIZE
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass, needs SV-S11G or SV-S11A support. See page 28.		500
8-AC7	Aluminium crimp cap fitted with a type 7, rubber/PTFE seal. Shore hardness value 60. Other colours and seals available. See page 29.		1000

PART NUMBER	DESCRIPTION	12 x 32mm wide neck screw top vials and cap	PACK SIZE
2-SVW	2mL, clear glass, flat bottom, wide neck, screw top vial. With write-on patch.		500
09-FIV	900µL Micro+ crimp top, fused insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SC(B)-8RT1	9mm screw cap (blue) prefitted rubber PTFE seal. Shore hardness value 58. Other colours and seals available. See page 36.		500
4-SV	4mL wash vial, 15 x 46mm, clear glass, screw top, flat bottom. See page 38.		500

Chromaseal™ GC Septa	Model	Septa size		PART NUMBER			Pack Size
		mm	ins.	High Temp	Long Life	Economy	
Agilent Technologies (HP)	5700	9.5	3/8	HT-9.5	LL-9.5	ECO-9.5	25
	5880, 5890, 6890	11	7/16	HT-11	LL-11	ECO-11	25



Agilent Technologies (HP) 1090

Millions of Chromacol vials have been used with this instrument for many years in its characteristic black cassette system. Our Micro+ vials with a capacities of 300µL and 900µL are both easy to use and very safe for the autosampler needle.

Key to products ■ Vial ■ Cap ■ Combination Pack

Bold items in grey are our standard products, used in the combination packs.

PART NUMBER	DESCRIPTION	12 x 32mm crimp and snap cap vials and caps	PACK SIZE
HPL	2mL crimp top vial with a type 7 rubber/PTFE seal.		100
2-CV	2mL, clear glass, crimp top, flat bottom, wide neck vial. With write-on patch.		500
1.1-CTVG	1.1mL, clear glass, crimp top, tapered, wide neck vial. Made from inert Chromacol Gold grade glass. Needs PTFE support, reference TTS-313. See page 78.		500
09-FIV	900µL Micro+ crimp top, fused insert vial, clear.		500
06-PECV	600µL, polyethylene vial with an internal tapered profile.		500
03-FIV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
11-AC7	Aluminium crimp cap fitted with a type 7, rubber/PTFE seal. Shore hardness value 60. Other colours and seals available. See page 32.		500
2-RV	2mL snap cap vial with write on patch - clear.		500
11-PSN(B)-8RT1	11mm polyethylene snap cap pre-fitted with a red rubber/PTFE seal. Shore hardness value 58.		500

PART NUMBER	DESCRIPTION	6 x 32mm crimp top vial and cap	PACK SIZE
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass needs SV-S4 support. See page 28.		500
8-AC7	Aluminium crimp cap fitted with a type 7, rubber/PTFE seal. Shore hardness value 60. Other colours and seals available. See page 29.		1000

PART NUMBER	DESCRIPTION	12 x 32mm wide neck screw top vials and cap	PACK SIZE
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+ screw top, fused insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SC(B)-8RT1	9mm screw cap(blue) prefitted rubber PTFE seal. Shore hardness value 58. Other colours and seals available. See page 36.		500
4-SV	4mL wash vial, 15 x 46mm, clear glass, screw top, flat bottom. See page 38.		500



PerkinElmer AutoSystem/XL and Clarus 500/600

These autosamplers need to be used with relatively soft seals and the Chromacol type 6 rubber/PTFE seal was developed specifically for these instruments. Our silicone/PTFE formulation ST101 has been proven to be ideal for use with ECD on this instrument. Instrument Select pack PEG contains the standard caps and seals for this instrument. For the full range of our GC Septa, please request a copy of our GC Septa brochure or see page 56.

Key to products ■ Vial ■ Cap ■ Combination Pack

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PART NUMBER	DESCRIPTION	12 x 32mm crimp top vials and caps	PACK SIZE
PEG	2mL crimp top vial with a type 6 soft rubber/PTFE seal.		100
2-CV	2mL, clear glass, crimp top, flat bottom, wide neck vial. With write-on patch.		500
09-FIV	900µL Micro+ crimp top, fused insert vial, clear.		500
06-PECV	600µL, polyethylene, crimp top vial with an internal tapered profile.		500
03-FIV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
11-AC6	Aluminium crimp cap fitted with a type 6, rubber/PTFE seal. Shore hardness value 38. Other colours and seals available. See page 32.		500
11-AC-ST101	Aluminium crimp cap fitted with a blue silicone/PTFE seal. Shore hardness value 30, also good for ECD. Other colours and seals available. See page 32.		500

PART NUMBER	DESCRIPTION	6 x 32mm crimp top vial and cap	PACK SIZE
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass. Needs a SV-TSP support. See page 28.		500
8-AC6	Aluminium crimp cap fitted with a type 6, rubber/ptfe seal. Shore hardness value 38. Other colours and seals available. See page 29.		1000

PART NUMBER	DESCRIPTION	12 x 32mm wide neck screw top vials and cap	PACK SIZE
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+ screw top, fused insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SC(B)-ST101	9mm, screw cap pre-fitted with a blue silicone/PTFE seal, Shore hardness value 30.		500

Chromacol GC Septa	Model	Septa size		PART NUMBER			Pack Size
		mm	ins.	High Temp	Long Life	Economy	
PerkinElmer	All models	11	7/16	HT-11	LL-11	ECO-11	25



PerkinElmer ISS-100, 200, Integral 4000 and Series 200

PerkinElmer LC autosamplers use a series of racks to hold the vials and there are many Chromacol vials compatible with them from 100µL to 10mL. Chromacol's WebSeal 96 well titer plates products are also suitable for certain versions of these instruments. To order easily, use Instrument Select code PEL.

Key to products ■ Vial ■ Cap ■ Combination Pack

Bold items in grey are our standard products, used in the combination packs.

PART NUMBER	DESCRIPTION	12 x 32mm crimp and snap cap vials and caps	PACK SIZE
2-CV	2mL, clear glass, crimp top, flat bottom, wide neck vial. With write-on patch.		500
2-RV	2mL snap cap vial with write on patch - clear.		500
09-FIV	900µL Micro+ crimp top, fused insert vial, clear.		500
06-PECV	600µL, polyethylene, crimp top vial with an internal tapered profile.		500
03-FIV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
11-AC-ST101X	Aluminium crimp cap fitted with a pre-cut blue silicone/PTFE seal, with anti vacuum device.		500
11-PSN(B)-ST1X	11mm snap cap with pre-cut silicone/PTFE seal.		500

PART NUMBER	DESCRIPTION	6 x 32mm crimp top vial and cap	PACK SIZE
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass, needs SV-S11A PTFE sleeve. See page 28.		500
8-AC-ST101X	Aluminium crimp cap fitted with a pre-cut blue silicone/PTFE seal.		500

PART NUMBER	DESCRIPTION	12 x 32mm wide neck screw top vials and cap	PACK SIZE
PEL	2mL screw top vial with a pre-cut white silicone/red PTFE seal.		100
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+ screw top, fused insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SC(B)-ST1X	9mm screw cap (blue) prefitted with pre-cut silicone/ PTFE seal.		500

PART NUMBER	DESCRIPTION	Wash vials and cap	PACK SIZE
10-CV	10mL, crimp top, headspace vial, used in Integral 4000.		125
6-CV	6mL, crimp top, headspace vial, used in the ISS100/200 and the Series 200.		125
20-PEPC5	20mm polyethylene snap cap.		250



PerkinElmer ASI 00, 100B, 300, 8300 and AS 2000B

These autosamplers use 8mm diameter vials for normal sample volumes and vials of 6 and 7mm diameter for microsampling, all with 8mm crimp caps. The harder 8-AC7, rubber/PTFE crimp caps are perfectly suited as is our silicone/PTFE cap, 8-AC-ST15.

Key to products ■ Vial ■ Cap

Bold items in grey are our standard products, used in the combination packs.

PART NUMBER	DESCRIPTION	8 x 30mm crimp top vials and caps	PACK SIZE
08-CV	800µL, clear glass, flat bottom, crimp top vial.		500
05-CTV(A)	500µL, amber glass, crimp top, tapered vial. Requires the use of a WS-1 PTFE support sleeve.		500
8-AC7	Aluminium crimp cap fitted with a type 7, rubber/PTFE seal. Shore hardness value 60. Other colours and seals available. See page 31.		1000
8-AC-ST15	Aluminium crimp cap fitted with a white silicone/red PTFE seal. Shore hardness value 57.		500

PART NUMBER	DESCRIPTION	6 x 32mm crimp top vial and caps	PACK SIZE
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass. Needs SV-S2 support sleeve. See page 28.		500
8-AC7	Aluminium crimp cap fitted with a type 7, rubber/PTFE seal. Shore hardness value 60. Other colours and seals available. See page 29.		1000
8-AC-ST15	Aluminium crimp cap fitted with a white silicone/red PTFE seal. Shore hardness value 57.		500



Shimadzu GC Autosamplers

Our ST-101 seal formulation, is ideally suited for use with selective detectors and Mass Spectrometry. This blue silicone/PTFE formulation, has the perfect shore hardness for this autosampler. Instrument Select, SHG contains the standard vials caps and seals for these instruments. For the full range of our GC Septa, please request a copy of our GC Septa brochure or see page 56.

Key to products ■ Vial ■ Cap ■ Seal ■ Combination Pack

Bold items in grey are our standard products

PART NUMBER	DESCRIPTION	12 x 32mm crimp and snap cap vials and caps	PACK SIZE
SHG	2mL crimp top vial with a soft blue silicone/PTFE seal.		100
2-CV	2mL, clear glass, crimp top, flat bottom, wide neck vial. With write-on patch.		500
09-FIV	900µL Micro+ crimp top, fused insert vial, clear.		500
06-PECV	600µL, polyethylene, crimp top vial with an internal tapered profile.		500
03-FIV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
11-AC-ST101	Aluminium crimp cap fitted with a blue silicone/PTFE seal. Shore hardness value 30, also good for ECD. Other colours and seals available. See page 32.		500
2-RV	2mL snap cap vial with write on patch - clear.		500
11-PSN(B)-ST101	11 mm polyethylene snap cap pre-fitted with a soft silicone/PTFE seal. Shore hardness value 30.		500

PART NUMBER	DESCRIPTION	6 x 32mm crimp top vial and cap	PACK SIZE
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass. Needs a SV-TSP support. See page 28.		500
8-AC-ST101	Aluminium crimp cap fitted with a blue silicone/PTFE seal. Shore hardness value 30. Good for ECD.		500

PART NUMBER	DESCRIPTION	12 x 32mm narrow neck screw top vials cap and seal	PACK SIZE
2-SV	2mL, clear glass, flat bottom, screw top vial. With write-on patch.		500
1.1-STVG	1.1 mL, clear glass, screw top, tapered vial made from inert Chromacol Gold grade glass, needs a TTS-312 PTFE support sleeve. See page 78.		500
06-PESV	600µL, polyethylene, screw top vial with an internal tapered profile.		500
8-SCJ(W)	Plastic, 8mm screw cap with wider flange diameter. Other colours available. See page 34.		500
8-ST101	8mm, blue silicone/PTFE seal. Shore hardness value 30.		125

PART NUMBER	DESCRIPTION	12 x 32mm wide neck screw top vials and cap	PACK SIZE
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+ screw top, fused insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SCJ(W)-ST101	Screw cap, blue, pre-fitted with a blue silicone/PTFE seal. Shore hardness value 30. Other colours and seals available. See page 36.		500

Chromseal GC Septa	Model	Septa size	PART NUMBER			Pack Size
			High Temp	Long Life	Economy	
Shimadzu	All models	plug type	HT-SP	LL-SP	ECO-SP	25

These autosamplers depend on the use of a larger diameter screw cap and need a white or yellow plastic cap to allow the vial detection system to operate correctly. Shimadzu's SIL-10AXi works best with a pre-cut seal such as our 8-ST14X and the rest of the range works best with our ST-101. Later versions of the Shimadzu SIL-10, 10, 2010VP autosampler are compatible with our WebSeal micro titer plate products. Instrument Select pack SHL contains the correct vials, caps and seals for these autosamplers.

Key to products ■ Vial ■ Cap ■ Seal ■ Combination Pack

Bold items in grey are our standard products

PART NUMBER	DESCRIPTION	12 x 32mm narrow neck screw top vials cap and seals	PACK SIZE
SHL	2mL screw top vial with a soft blue silicone/PTFE seal.		100
2-SV	2mL, clear glass, flat bottom, screw top vial. With write-on patch.		500
1.1-STVG	1.1mL, clear glass, screw top, tapered vial made from inert Chromacol Gold grade glass, needs a TTS-312 PTFE support sleeve when not suspended from cap. See page 78.		500
06-PESV	600µL, polyethylene, screw top vial with an internal tapered profile.		500
8-SCJ(W)	White screw cap, no seal. Has wider flange suitable for Jasco™, Hitachi™ and Shimadzu autosamplers which suspend the vial by the cap. The 8-SCJ(Y) yellow may also be used. See page 34. <i>The optical sensor works best with white or yellow screw caps</i>		500
8-ST101	1mm thick blue silicone/PTFE seal. Shore hardness value 30.		500
8-ST14X	1.4mm thick blue silicone/PTFE seal, pre-cut.		500

Note SIL-10AXi *06-PESV is not suitable for use in the SIL-10AXi*

PART NUMBER	DESCRIPTION	15 x 46mm screw top vial caps and seal	PACK SIZE
4-SV	4mL, clear glass, screw top, flat bottom vial.		500
12-SC(W)	White screw cap, no seal.		500
12-SC(Y)	Yellow screw cap, no seal.		500
12-ST101	1mm thick blue silicone/PTFE. Shore hardness value 30. Good for ECD.		500

PART NUMBER	DESCRIPTION	6 x 32mm crimp top vial and cap	PACK SIZE
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass, an SV-S12A support is needed. See page 28.		500
8-AC-ST101	Aluminium crimp cap fitted with a blue silicone/PTFE seal. Shore hardness value 30. Good for ECD.		500

PART NUMBER	DESCRIPTION	12 x 32mm wide neck screw top vials and cap	PACK SIZE
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+ screw top, fused insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SCJ(W)-ST101	Screw cap, blue, pre-fitted with a blue silicone/PTFE seal. Shore hardness value 30. Other colours and seals available. See page 36.		500

Chromacol's 12 x 32mm vials, both crimp and screw top versions are compatible with the above named autosamplers. A special PTFE sleeve, SV-TSP, has been produced to allow these units to operate with our 100, 200 and 300µL micro vials. **These sleeves however must not be used with the vial-heating unit.** Instrument Select product code TQL contains the recommended wide neck vials and caps.

Key to products ■ Vial ■ Cap ■ Combination Pack

Bold items in grey are our standard products, used in the combination packs.

PART NUMBER	DESCRIPTION	12 x 32mm crimp and snap cap vials and caps	PACK SIZE
TQL	2mL crimp top vial with a white silicone/red PTFE seal.		100
2-CV	2mL, clear glass, crimp top, flat bottom, wide neck vial. With write-on patch.		500
1.1-CTVG	1.1mL, clear glass, crimp top, tapered, wide neck vial. Made from inert Chromacol Gold grade glass. Needs TTS-312 PTFE support. <i>See page 78.</i>		500
09-FIV	900µL Micro+™ crimp top, fused insert vial, clear.		500
03-FIV	300µL, one piece, glass insert and clear vial combination. With write-on patch.		500
11-AC-ST15	Aluminium crimp cap fitted with a white silicone/red PTFE seal. Shore hardness value 57.		500
2-RV	2mL snap cap vial with write on patch - clear.		500
11-PSN(B)-STI	11mm polyethylene snap cap pre-fitted with a silicone/PTFE seal. Shore hardness value 57.		500

PART NUMBER	DESCRIPTION	12 x 32mm narrow and wide neck screw top vials and caps	PACK SIZE
2-SV	2mL, clear glass, flat bottom, screw top vial. With write-on patch.		500
1.1-STVG	1.1mL, clear glass, 8mm, screw top, tapered vial made from inert Chromacol Gold grade glass, needs a TTS-312 support. <i>See page 78.</i> Not suitable for older model Spectra-Physics autosamplers.		500
8-SC-ST15	Screw cap, with silicone/PTFE seal. Shore hardness value 57.		500
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+ screw top, fused insert vial, clear.		500
06-PESV	600µL, polyethylene, 8mm, screw top vial with an internal tapered profile.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SC(B)-STI	Screw cap, blue, pre-fitted with silicone/PTFE seal. Shore hardness value 57. Other colours and seals available. <i>See page 36.</i>		500

PART NUMBER	DESCRIPTION	6 x 32mm crimp top vial and cap	PACK SIZE
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass.		500
8-AC-ST15	Aluminium crimp cap fitted with a white silicone/red PTFE seal. Shore hardness value 57.		500



Thermo Scientific GC TRACE/AS3000/AI3000/AS800/TriPlus

The earlier versions of the AS 800 autosamplers used a 12 x 40 mm crimp top vial. To use a standard 12 x 32mm vial, use the additional PWS-11 support sleeve. Both our ST-101 and ST-144 seal formulations are suitable for these autosamplers. The ST-144 seal is included in the Instrument Select kit, product code TQG together with the crimp top vials. The TriPlus™ HS uses 20mL and 10mL headspace vials with recommended silicone/PTFE seals.

PART NUMBER	DESCRIPTION	12 x 32mm crimp and snap cap vials and caps	PACK SIZE
TQG	2mL crimp top vial with a blue silicone/red PTFE seal.		100
2.5-CV	2.5mL, clear glass, crimp top, flat bottom vial.		500
2-CV	2mL, clear glass, crimp top, flat bottom, wide neck vial. With write-on patch.		500
2-RV	2mL snap cap vial with write on patch - clear.		500
1.1-CTVG	1.1mL, clear glass, crimp top, tapered vial made from inert Chromacol Gold grade glass, needs a PTFE support sleeve, part number TTS-312. See page 78.		500
09-FIV	900µL, crimp top, fused insert vial, clear.		500
06-PECV	600µL, polyethylene vial with an internal tapered profile.		500
03-FIV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
11-AC(B)-ST144	Aluminium crimp cap, blue, fitted with a blue silicone/red PTFE seal.		500

PART NUMBER	DESCRIPTION	12 x 32mm wide neck screw top vials and cap	PACK SIZE
TTR	2mL screw top vial with a soft blue silicone/PTFE seal.		100
4-SVQ	4mL screw top vial - clear - For Thermo Scientific GC.		500
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+ screw top, fused insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SC(B)-ST101	Screw cap, blue, pre-fitted with a blue silicone/PTFE seal. Shore hardness value 30.		500

PART NUMBER	DESCRIPTION	6 x 32 and 8 x 30mm crimp top vials and cap	PACK SIZE
1.2-CWV	1.2mL, clear glass, crimp top, flat bottom vial. Needs polythene support.		500
1-CWV	1mL, clear glass, crimp top, tapered vial. Needs polythene support.		500
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass needs the SV-S1 support sleeve. See page 28.		500
8-AC(B)-ST144	Aluminium crimp cap, blue, fitted with a blue silicone/red PTFE seal.		500

PART NUMBER	DESCRIPTION	22 x 45mm and 22 x 75mm crimp top vial cap and seal	PACK SIZE
10-CV	10mL, clear glass, crimp top vial. For the HS 500.		125
20-CV	20mL, clear glass, crimp top vial. For the HS 850.		125
20-MCBC-ST3	Composite, magnetic blue crimp cap, with blue silicone/PTFE seal. Shore hardness value 40. Other colours and seals available. See page 41.		500

Chromseal GC Septa	Model	Septa size		PART NUMBER			Pack Size
		mm	ins.	High Temp	Long Life	Economy	
Carlo Erba	FV2000 and FV 4000 Mega and Vega series	12	-	HT-12	LL-12	ECO-12	25
CE 8000 and TRACE™	All models	17	21/32	HT-17	LL-17	ECO-17	25
Unicam™	4600	9.5	3/8	HT-9.5	LL-9.5	ECO-9.5	25

Varian GC Autosamplers 8000/8100/8410

All our 12 x 32mm standard and Micro+ vials are compatible with Varian autosamplers. We also have a wide range of vials suitable for microsampling and concentration by evaporation. Product code VAG contains the recommended screw top vials and the corresponding caps. For the full range of our GC Septa, please request a copy of our GC Septa brochure or see page 56.

Key to products ■ Vial ■ Cap ■ Combination Pack

Bold items in grey are our standard products, used in the combination packs.

PART NUMBER	DESCRIPTION	12 x 32mm crimp and snap cap vials and caps	PACK SIZE
2-CV	2mL, clear glass, crimp top, flat bottom, wide neck vial. With write-on patch.		500
1.1-CTVG	1.1mL, clear glass, crimp top, tapered vial made from inert Chromacol Gold grade glass, needs a TTS-314 PTFE support sleeve. See page 78.		500
09-FIV	900µL Micro+ crimp top, fused insert vial, clear.		500
06-PECV	600µL, polyethylene, crimp top vial with an internal tapered profile.		500
03-FIV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
11-AC-ST15	Aluminium crimp cap fitted with a white silicone/red PTFE seal. Shore hardness value 57.		500
2-RV	2mL snap cap vial with write on patch - clear.		500
11-PSN(B)-STI	11mm polyethylene snap cap pre-fitted with a silicone/PTFE seal. Shore hardness value 57.		500

PART NUMBER	DESCRIPTION	12 x 32mm wide neck screw top vials and caps	PACK SIZE
VAG	2mL screw top vial with a white silicone/red PTFE seal.		100
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+ screw top fused insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SC(B)-ST1	9mm, blue, screw cap pre-fitted with a silicone/PTFE seal. Shore hardness value 57.		500
1.1-STVG	1.1mL, clear glass, screw top, tapered vial made from inert Chromacol Gold grade glass.		500
8-SC-ST15	8mm, screw cap pre-fitted silicone/PTFE seal. Shore hardness value 57.		500

PART NUMBER	DESCRIPTION	6 x 32mm crimp top vial and cap	PACK SIZE
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass, needs SV-S3A support. See page 28.		500
8-AC-ST15	Aluminium crimp cap pre-fitted with a white silicone/red PTFE seal. Shore hardness value 57.		500

Chromseal GC Septa	Model	Septa size		PART NUMBER			Pack Size
		mm	ins.	High Temp	Long Life	Economy	
Varian	All packed column models	9.5	3/8	HT-9.5	LL-9.5	ECO-9.5	25
	3300,3400,3500,3600,	11	7/16	HT-11	LL-11	ECO-11	25
	3700,Vista	11	7/16	HT-11	LL-11	ECO-11	25



Varian LC Autosamplers 9090/9095/PROSTAR

Our extended Micro+ range, with volumes of 300µL and 900µL are ideal for Varian autosamplers. Our ST-15 and ST-14 seals have the required degree of shore hardness for these instruments. There are many Chromacol vials that will operate with the Varian autosamplers, the most popular of which being our 12 x 32mm 2-CV & 2-SVW.

Key to products ■ Vial ■ Cap ■ Combination Pack

Bold items in grey are our standard products, used in the combination packs.

PART NUMBER	DESCRIPTION	12 x 32mm crimp and snap cap vials and caps	PACK SIZE
2-CV	2mL, clear glass, crimp top, flat bottom, wide neck vial. With write-on patch.		500
1.1-CTVG	1.1mL, clear glass, crimp top, tapered vial made from inert Chromacol Gold grade glass, needs a TTS-314 PTFE support sleeve. See page 78.		500
09-FIV	900µL Micro+ crimp top, fused insert vial, clear.		500
06-PECV	600µL, polyethylene, crimp top vial with an internal tapered profile.		500
03-FIV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
11-AC7	Aluminium crimp cap fitted with a type 7, rubber/PTFE seal. Shore hardness value 60.		500
2-RV	2mL snap cap vial with write on patch - clear.		500
11-PSN(B)-8RT1	11mm polyethylene snap cap pre-fitted with a red rubber/PTFE seal. Shore hardness value 58. Other colours and seals available. See page 25.		500

PART NUMBER	DESCRIPTION	12 x 32mm wide neck screw top vials and caps	PACK SIZE
VAL	2mL screw top vial with a white silicone/red PTFE seal.		100
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+ screw top, fused insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SC(B)-ST1	Screw cap, blue, pre-fitted with silicone/PTFE seal. Shore hardness value 57. Other colours and seals available. See page 36.		500
1.1-STVG	1.1mL, clear glass, 8mm, screw top, tapered vial made from inert Chromacol Gold grade glass. Needs a TTS-312 support. See page 78.		500
8-SC-ST15	8mm, screw cap pre-fitted silicone/PTFE seal. Shore hardness value 57.		500

PART NUMBER	DESCRIPTION	6 x 32mm crimp top vial and cap	PACK SIZE
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass, needs an SV-S3A support. See page 28.		500
8-AC7	Aluminium crimp cap fitted with a type 7, rubber/PTFE seal. Shore hardness value 60. Other colours and seals available. See page 29.		1000



Waters 48/717/717 Plus

The Chromacol 4-SV(A), 15 x 45mm, 4mL screw top, amber vial is also an ideal vial for this autosampler. When using our extensive range of PTFE sleeves, many of our micro vials may be used with these autosamplers.

Our Sci-Vi system vials, including the 01-CVG vial, may be used as reduced volume inserts in a 4-SV vial with an S-50 spring. 07-CPV(A) vial can be used as a reduced volume amber insert with an S-15 spring. Our preferred solution is the SV-S15, a new one piece low cost plastic support which replaces the above mentioned 4mL vial. This easy and simple to use support uses any one of the Sci-Vi system vials, i.e. 03-CVG, 02-CTVG, 02-CTV(A) and the 01-CVG.

Key to products ■ Vial ■ Cap

Bold items in grey are our standard products

PART NUMBER	DESCRIPTION	15 x 46mm screw top vial and cap	PACK SIZE
4-SV	4mL, clear glass, screw top, flat bottom vial.		500
12-SC-ST2	Screw cap, black, pre-fitted with a 2mm thick, silicone/PTFE seal.		500
3.5-HRSV	3.5mL screw top vial - High Recovery - uses 13mm screw caps.		500
13-SC-ST15	13mm screw cap prefitted silicone/PTFE seal.		500

PART NUMBER	DESCRIPTION	12 x 32mm crimp top vials and cap	PACK SIZE
4-CV	4mL, clear glass, crimp top, flat bottom vial, 15 x 46mm.		500
2-CV	2mL, clear glass, wide neck, crimp top, flat bottom vial. With write-on patch.		500
09-FIV	900µL Micro+ crimp top, fixed insert vial, clear.		500
03-FIV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
11-AC-ST15	Aluminium crimp cap fitted with a white silicone/red PTFE seal. Shore hardness value 57.		500

PART NUMBER	DESCRIPTION	6 x 32mm crimp top vial and cap	PACK SIZE
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass, needs support sleeves SV-S11A and WS-2 or SV-S15. See page 28.		500
8-AC-ST15	Aluminium crimp cap fitted with a white silicone/red PTFE seal. Shore hardness value 57.		500

Note

Standard 12 x 32mm vials require the use of the WS-7 support sleeve (see page 78), when used on the 717 and 717 Plus.



The 96 position Waters autosampler does not use standard 12 x 32 mm vials. The Chromacol I.2-CWV and I-CWV vials are specially designed to meet the requirements of this instrument. When using small samples we would recommend the use of the I-CWV vial because of its tapered base.

Key to products ■ Vial ■ Cap ■ Combination Pack

Bold items in grey are our standard products, used in the combination packs.

Waters 96

PART NUMBER	DESCRIPTION	8 x 40mm crimp top vials and cap	PACK SIZE
I.2-CWV	1.2mL, clear glass, crimp top, flat bottom vial.		500
I-CWV	1mL, clear glass, crimp top, tapered vial.		500
8-AC-ST15	Aluminium crimp cap fitted with a white silicone/red PTFE seal. Shore hardness value 57.		500

PART NUMBER	DESCRIPTION	8 x 40mm neckless vials and caps	PACK SIZE
I-NWV	1mL, clear glass shell vial. Uses 8-NPWP polyethylene plug closure.		500
I-NWV-C	1mL neckless clear glass vial, with polyethylene caps.		200
I-NWV(A)-C	1mL neckless amber glass vial, with polyethylene caps.		200
I-PPNWV-C	1mL PP neckless vial for Waters 96 with a polyethylene cap.		250

Alliance/Acquity

For these autosamplers the Instrument Select code WAL includes our wide neck 2-SVW vials and our 9-SC(B)-STI silicone/PTFE seals. Waters now recommend the use of a bonded cap with some Alliance/Acquity instruments.

PART NUMBER	DESCRIPTION	12 x 32mm crimp and snap cap vials and caps	PACK SIZE
2-CV	2mL, clear glass, crimp top, flat bottom, wide neck vial. With write-on patch.		500
1.1-CTVG	1.1mL, clear glass, crimp top, tapered vial made from inert Chromacol Gold grade glass, needs a TTS-314 PTFE support sleeve. See page 78.		500
09-FIV	900µL Micro+ crimp top, fused insert vial, clear.		500
06-PECV	600µL, polyethylene, crimp top vial with an internal tapered profile.		500
03-FIV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
11-AC-ST15	Aluminium crimp cap fitted with a white silicone/red PTFE seal. Shore hardness value 57.		500
2-RV	2mL snap cap vial with write on patch - clear.		500
11-PSN(B)-STI	11mm polyethylene snap cap pre-fitted with a silicone/PTFE seal. Shore hardness value 57.		500

PART NUMBER	DESCRIPTION	12 x 32mm wide neck screw top vials and cap	PACK SIZE
WALB	2mL screw top vial with a bonded white silicone/red PTFE seal.		100
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+ screw top, fused insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SC(B)-STI	Screw cap, blue, pre-fitted with silicone/PTFE seal. Shore hardness value 57. Other colours and seals available. See page 36.		500
9-SC(BLK)-BSTI	9mm screw cap (black) bonded silicone/PTFE liner. Recommended by Waters.		500
9-SC(GY)-BSTIX	9mm screw cap (grey) bonded silicone/PTFE liner pre-cut. Recommended by Waters.		500

CTC LC PAL/GC PAL/COMBI PAL

Our ST-144 and ST-101 seal formulations are ideal for these autosamplers. CTC instruments are compatible with our WebSeal 96 well titer plate products. Instrument Select is only available for the 105 tray version and uses product code CTCG and CTCL. A detailed brochure on CTC Consumables is also available. Please contact us for a copy or visit www.chromacol.com.

Key to products ■ Vial ■ Cap ■ Seal ■ Combination Pack

Bold items in grey are our standard products, used in the combination packs.

PART NUMBER	DESCRIPTION	7 x 40mm crimp top vials and caps	PACK SIZE
08-CPV(A)	800µL, amber glass, crimp top, flat bottomed vial.		500
07-CPV	700µL, clear glass, crimp top, tapered vial.		500
8-AC(B)-ST144	Aluminium crimp cap (blue) fitted with a blue silicone/red PTFE seal.		500

PART NUMBER	DESCRIPTION	22 x 75mm and 22 x 45mm crimp top vial and caps	PACK SIZE
20-CV	20mL, clear glass, crimp top vial.		125
10-CV	10mL, clear glass, crimp top vial.		125
20-MCBC-ST3	20mm tin plate and blue aluminium two part crimp cap - with silicone/PTFE liner.		500

PART NUMBER	DESCRIPTION	22 x 75mm and 22 x 45mm screw top vial and caps	PACK SIZE
20-HSV	20mL screw top headspace vial - clear.		125
10-HSV	10mL screw top headspace vial - clear.		125
18-MSC-ST3	18mm magnetic screw cap with 3mm silicone/PTFE liner.		500

PART NUMBER	DESCRIPTION	12 x 32mm crimp top vials and cap	PACK SIZE
CTCG	2mL crimp top vial with a blue silicone/red PTFE seal.		100
CTCL	2mL crimp top vial with a blue silicone/red PTFE seal.		100
2-CV	2mL, clear glass, crimp top, flat bottom, wide neck vial. With write-on patch.		500
1.1-CTVG	1.1mL, clear glass, crimp top, tapered, wide neck vial. Made from inert Chromacol Gold grade glass. Needs TTS-312 PTFE support. See page 78.		500
09-FIV	900µL Micro+ crimp top, fused insert vial, clear.		500
03-FIV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
11-AC(B)-ST144	Aluminium crimp cap, blue, fitted with a blue silicone/red PTFE seal.		500

PART NUMBER	DESCRIPTION	12 x 32mm wide neck screw top vials and cap	PACK SIZE
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+ screw top, fixed insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SC(B)-ST101	Screw cap, blue, pre-fitted with a blue silicone/PTFE seal. Shore hardness value 30. Other colours and seals available. See page 36.		500

PART NUMBER	DESCRIPTION	6 x 32mm crimp top vial and cap	PACK SIZE
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass. Uses the SV-TSP support sleeve. See page 28.		500
8-AC(B)-ST144	Aluminium crimp cap, blue, fitted with a blue silicone/red PTFE seal.		500



All of these autosamplers were designed around Chromacol's own vial specifications. This guarantees a perfect fit every time when using Chromacol vials. The WebSeal system of 96 well titer plates and PTFE coated silicone elastomer closures are also compatible with Endurance and Reliance autosamplers. Instrument Select, pack SPL, includes 100 wide neck crimp top vials and the corresponding standard crimp caps.

Key to products ■ Vial ■ Cap ■ Seal ■ Combination Pack

Bold items in grey are our standard products, used in the combination packs.

PART NUMBER	DESCRIPTION	12 x 32mm crimp and snap cap vials and caps	PACK SIZE
SPL	2mL crimp top vial with a type 7 rubber/PTFE seal.		100
2-CV	2mL, clear glass, crimp top, flat bottom, wide neck vial. With write-on patch.		500
1.1-CTVG	1.1mL, clear glass, crimp top, tapered, wide neck vial. Made from inert Chromacol Gold grade glass. Needs TTS-312 PTFE support. See page 78.		500
09-FIV	900µL Micro+ crimp top fused insert vial, clear.		500
03-FIV	300µL Micro+, one piece, glass insert and clear vial combination. With write-on patch.		500
11-AC7	Aluminium crimp cap fitted with a type 7, rubber/PTFE seal. Shore hardness value 60. Other colours and seals available. See page 32.		500
2-RV	2mL snap cap vial with write on patch - clear.		500
11-PSN(B)-8RTI	11mm polyethylene snap cap pre-fitted with a red rubber/PTFE seal. Shore hardness value 58.		500

PART NUMBER	DESCRIPTION	8 x 40 and 6 x 32mm crimp top vial cap, seal	PACK SIZE
08-CV	800µL, clear glass, crimp top, flat bottom.		500
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass, needs support sleeve SV-S3A. See page 28.		500
8-AC7	Aluminium crimp cap fitted with a type 7, rubber/PTFE seal. Shore hardness value 60. Other colours and seals available. See page 31.		1000

PART NUMBER	DESCRIPTION	12 x 32mm wide neck screw top vials and cap	PACK SIZE
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+ screw top, fused insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SC(B)-8RTI	Screw cap, blue, pre-fitted with type 8, rubber/PTFE seal. Shore hardness value 58. Other colours and seals available. See page 36.		500
1.1-STVG	1.1mL, clear glass, 8mm, screw top, tapered vial made from inert Chromacol Gold grade glass needs a TTS-312 support. See page 78.		500
8-SC-8RTI	8mm screw cap prefitted type 8 rubber/PTFE seal. Shore hardness value 57.		500

PART NUMBER	DESCRIPTION	22 x 38mm crimp top vials and cap	PACK SIZE
6-CV	6mL, clear glass, crimp top vial.		125
20-ACB	Aluminium crimp, no seal.		500
20-ST101	Blue silicone/PTFE, 1mm thick seal. Shore hardness value 30.		500



The 11-AC-ST101X and 8-ST14X products are suited to these autosamplers that require the use of a pre-cut seal. Merck/Hitachi have a wide variety of racks so they are compatible with a wide variety of vials. The 03-CVG, 02-CTVG, 02-CTV(A) and 01-CVG vials may be used in some trays without a support sleeve. The 2-CV crimp top vial and the 11-AC-ST101X caps are included in the Instrument Select kit – product code MEL.

Key to products ■ Vial ■ Cap ■ Seal ■ Combination Pack

Bold items in grey are our standard products

PART NUMBER	DESCRIPTION	15 x 46mm screw top vials and caps	PACK SIZE
4-SV	4mL, clear glass, screw top, flat bottom vial.		500
12-SC-ST2	12mm, black, screw cap pre-fitted with a silicone/PTFE seal. Shore hardness value 57.		500
3.5-HRSV	3.5mL screw top vial - High Recovery - uses 13mm screw caps.		500
13-SC-ST15X	13mm screw cap prefitted silicone/PTFE seal, pre-cut.		500

PART NUMBER	DESCRIPTION	12 x 32mm crimp and snap cap vials and caps	PACK SIZE
MEL	2mL crimp top vial with a pre-cut blue silicone/PTFE seal.		100
4-CV	4mL, clear glass, crimp top, flat bottom vial, 12 x 46mm.		500
2-CV	2mL, clear glass, wide neck, crimp top, flat bottom vial. With write-on patch.		500
1.1-CTVG	1.1mL, clear glass, crimp top, tapered vial made from inert Chromacol Gold grade glass, needs a PTFE support sleeve, part number TTS-312. See page 78.		500
09-FIV	900µL Micro+, crimp top, fused insert vial, clear.		500
06-PECV	600µL Micro+, polyethylene, crimp top vial with an internal tapered profile.		500
03-FIV	300µL, one piece, clear glass insert and vial combination. With write-on patch.		500
11-AC-ST101X	Aluminium crimp cap fitted with a pre-cut blue silicone/PTFE seal.		500
2-RV	2mL snap cap vial with write on patch - clear.		500
11-PSN(B)-STIX	11mm polyethylene snap cap with pre-cut silicone/PTFE seal.		500

PART NUMBER	DESCRIPTION	12 x 32mm narrow & wide neck screw top vials and caps	PACK SIZE
2-SVW	2mL, clear glass, flat bottom, screw top, wide neck vial. With write-on patch.		500
09-FISV	900µL Micro+ screw top, fused insert vial, clear.		500
03-FISV	300µL Micro+, one piece, clear glass insert and vial combination. With write-on patch.		500
9-SC(B)-STIX	Screw cap, blue, pre-fitted with a blue silicone/PTFE pre-cut seal. Other colours and seals available. See page 36.		500
2-SV	2mL screw top vial with write on patch - clear.		500
1.1-STVG	1.1mL, clear glass, 8mm, screw top, tapered vial made from inert Chromacol Gold grade glass, needs a TTS-312 support. See page 78.		500
8-SC	8mm screw cap, black. For use with 2-SV or 1.1-STVG		500
8-ST14X	8mm pre-cut silicone/PTFE seal.		500

PART NUMBER	DESCRIPTION	6 x 32mm crimp top vial and cap	PACK SIZE
03-CVG	300µL, clear glass, crimp top, round bottom vial, made from inert Chromacol Gold grade glass, needs support sleeve SV-S1. See page 28.		500
8-AC-ST101X	Aluminium crimp cap fitted with a pre-cut blue silicone/PTFE seal.		500

