



CyberClouser Headspace Vial, Septa, Caps



As headspace vials have to withstand internal pressure, almost all vials from Cyberlab have a wall thickness of 1.2mm. Thus it is guaranteed that the vials will not burst. Contrary to a widely spread opinion the seal and not the vial represent the weakest part of the whole system. Under pressure the septa will bulge against the aluminum cap with such a force that the cap is torn apart. These beveled neck vials are available in 20mL, 10mL and 5mL capacities, flat or rounded bottom. The 20mm crimp caps provide a consistently secure seal.

Headspace Vials for PE instruments (1000/pack)

- PE-0C-0297 HS Round Bottom Vial, 20ml, 75x23mm Clear
- PE-0A-1223 HS Round Bottom Vial, 20ml, 75x23mm Amber
- PE-0L-0440 HS Round Bottom Vial, 20ml, 75x23mm Graduatedw/Label
- PE-0G-0286 HS Flat Bottom Vial, 20ml, 75x23mm Clear
- PE-05-0342 HS Round Bottom Vial, 5ml, 38x22mm Clear

Universal Headspace Vials (1000/pk)

- UN-RB-0873 HS Round Bottom Vial, 20ml, 75x23mm Clear
- UN-10-1405 HS Round Bottom Vial, 10ml, 46x23mm Clear
- UN-FB-0796 HS Flat Bottom Vial, 20ml, 75x23mm Clear
- UN-10-0795 HS Flat Bottom Vial, 10ml, 46x23mm Clear
- UN-05-0801 HS Flat Bottom Vial, 5ml, 38x20mm Clear

Universal Caps for all Headspace vials (1000/pk)

- AL-NS-0127 20mm, Silver Aluminum Crimp Cap
- AL-WS-0126 20mm, Silver Aluminum Crimp Cap with safety release
- MG-05-0711 20mm, Golden Magnetic Crimp Cap, 5mm centre hole
- MG-08-0711 20mm, Golden Magnetic Crimp Cap, SPME 8mm centre hole
- BM-08-0711 20mm, Bi-Metallic Aluminum Crimp Cap

Universal Septa for Headspace caps (1000/pk)

- BT-DG-0122 Butyl dark Grey Septa - 3mm (-40 to 120C)
- BT-GR-0057 Butyl/PTFE, grey 3mm (-40 to 120 C)
- BT-PX-0035 Butyl/PTFE, PharmaFX, 3mm (-40 to 120C)
- ST-AG-0638 Silicone/PTFE, white/beige (Tan), 3.25mm (-60 to 200C)
- ST-BW-0141 Silicone/PTFE, transparent blue/white, 3.25mm (-60 to 200C)
- ST-FX-1488 Silicone/PTFE, PharmaFX, Blue/grey, 3mm (-60 to 200C)

PE Septa with Aluminium Cap & Star Ring (1000 pack)

- PE-BT-9357 Butyl Septa, Cap & Star Ring - Red Colour
- PE-BP-4240 Butyl / PTFE Septa, Cap & Star Ring - Red / Grey Colour
- PE-SP-4242 Silicone / PTFE Septa, Cap & Star Ring - White/ Beige

Mushroom Top Septa for 9A, 14, 15A, 16, 17A & 2010

- MT-041890 Enduro Blue Mushroom Top Septa

GC Injection Port Septa

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|---------|---|---------|
| BTO-11 | Bleed & temp. optimized septa (up to 400°C) | 50/pack |
| AGR-11 | Advanced green septa for general purpose | 50/pack |
| L'YW-11 | Long life yellow septa (lasts 2-4 times longer) | 25/pack |
| LBG-11 | Low bleed gray septa | 24/pack |
| LBR-11 | Low bleed red septa | 24/pack |
| SMT-11 | Mushroom top septa for Shimadzu GC | 50/pack |

Septum Selection Guide

Septum Material	Compatible with	Incompatible with	Resealability	Max. Temperature
Rubber (Natural/Butyl)	CAN, acetone, DMF, alcohols, diethylamine, DMSO, phenols	Chlorinated solvents aromatics, hydrocarbons, carbon disulfide	Excellent	<100°C
PTFE/Natural or Butyl Rubber	PTFE resistance until punctured, then septa or liner will have compatibility of rubber		Good	<100°C
Silicone/Silicone Rubber	Alcohol, acetone, ether, DMF, DMSO	ACN, THF, benzene chloroform, pyridine, toluene, hexane, heptane	Excellent	<200°C
PTFE/Silicone, PTFE/Silicone/PTFE	PTFE resistance until punctured, then septa or liner will have compatibility of silicone		Average	<200°C
VITON	Chlorinated solvents, benzene, toluene, alcohols, hexane, heptane	DMF, DMSO, CAN, THF, pyridine, dioxane, methanol, acetone	Good	<260°C

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