



Agilent Inlet Septa

- BTO:** Up to 400° C. Bleed and temperature optimized
- Advanced Green:** Up to 350° C. Replaces many common green septa with excellent results
- Long Life:** Up to 350° C. Very long injection life. When used with a properly aligned syringe needle in good condition, these septa can last 2 to 4 times longer than many other septa
- Low Bleed Gray:** A very popular general purpose septum
- Low-Bleed Red:** The most economical choice for general purpose gas chromatography

Septum Selection Guide:

Agilent Technologies (HP)	
6890, 5890, 5880, 4890, 6850	11mm (7/16")
5700, 5800, 5900	9.5mm (3/8")
5750, 710, 720, 810, 7610	12.5mm (1/2")
7620, 5790, 5880, 5890	5mm (3/16")
Perkin Elmer	
Sigma, 900, 990, 3920, 8300, 8400, 8500, Autosystem, Clarus 500	11mm
Varian (Injectors)	
1075, 1077, 1078, 1079, 1093, 1094	11mm
All packed column injectors	9.5mm
ThermoQuest CE	
8000 Series, TRACE™	17mm (2/3")
Shimadzu	
9A,14, 15A, 16, 17A, 2010	Shimadzu Plug

Cat. No.	Description	Qty.
5183-4757	BTO, 11mm	50
5183-4758	BTO, 5mm	50
5183-4759	Advanced green, 11mm	50
5183-4761	Long life, 11mm	50
5080-8896-50	Low bleed gray, 11mm	50
5080-8894-100	Low bleed gray, 11mm	100
5181-1263-50	Low bleed red, 11mm, solid	50
5181-1263-100	Low bleed red, 11mm, solid	100
5181-3383-50	Low bleed red, 11mm, partial thru-hole	50
5181-3383-100	Low bleed red, 11mm, partial thru-hole	100
5181-1283-50	Low bleed red, 9.5mm	50
5181-1260	Low bleed red, 5mm	25
5181-1261	Low bleed red, 5mm, solid through hole for on-column	25

SGE Inlet Septa

- CS:** Up to 200° C. Teflon® coated silicone
- Auto-Sep T™:** Up to 350° C. Teflon® coated silicone Especially for GC/MS
- Enduro™ Blue:** Up to 350° C. Silicone. For Shimadzu GCs.



Cat. No.	Description	Qty.
041828	CS, 12.5mm	50
041826	CS, 11mm	50
0418240	CS, 9.5mm septa	50
041820	CS, 5mm septa	50
041886	Auto-Sep T, 17mm	25
041884	Auto-Sep T, 12.5mm	25
041882	Auto-Sep T, 11mm	25
041883	Auto-Sep T, 11mm	100
041880	Auto-Sep T, 9.5mm	25
041890	Enduro Blue, Shimadzu plug	50

Tech Tip:

Septa should be replaced regularly to avoid:

- leaks
- decomposition
- sample loss
- reduced column or split vent flow
- ghost peaks
- column degradation

Avoid problems by:

- using with the recommended temperature range
- changing regularly
- installing the retainer nut "hand tight"
- using septum purge when available
- using autoinjectors
- using sharp syringe needles

Septa Troubleshooting:

Symptom	Possible Causes	Remedy
Extra Peaks 	Septum bleed	Turn off injector heater. If extra peaks disappear, use septum specified for higher temperature or analyze at lower inlet temperature.
Base Change After Large Peak 	Large leak at septum during injection and for a short time thereafter (common with large diameter needles).	Replace septum and use smaller diameter needles.
Retention Time Prolonged 	Carrier gas leaks at septum or column connection.	Check for leaks. Replace septum or tighten connections if necessary.