

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

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

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

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:


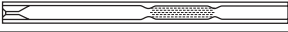
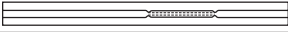
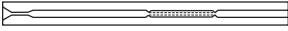

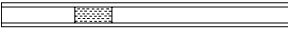
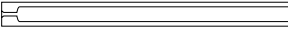

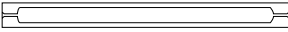

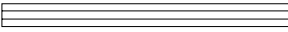
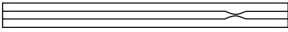

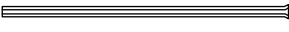
- using with the recommended temperature range
- changing regularly
- installing the retainer nut "hand tight"
- using septum purge when available
- using autoinjectors
- using sharp syringe needles

Septa Troubleshooting:

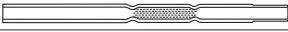
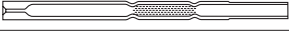
Symptom	Possible Causes	Remedy
Extra Peaks 	Septum bleed	Turn off injector heater. If extra peaks disappear, use septum specified for higher temperature or analyze at lower inlet temperature.
Base Change After Large Peak 	Large leak at septum during injection and for a short time thereafter (common with 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.

GC Supplies




SGE Deactivated Inlet Liners

Description	(mm) ID	(mm) Length	5/pk Cat. No.	25/pk Cat. No.
HP5890, HP6890, HP6850 & HP4890				
 Split / Splitless FocusLiner	4.0	78.5	092002	092219
 Split / Splitless Tapered FocusLiner	4.0	78.5	092003	092011
 Split / Splitless Fast FocusLiner	2.3	78.5	092005	092008
 Split / Splitless Tapered Fast FocusLiner	2.3	78.5	092111	092115
 Split, straight-through liner	4	78.5	092007	092222
 Split with quartz wool	4	78.5	092001	092220
 Split / Splitless with single taper	4	78.5	092017	092229
 Split / Splitless with single taper and quartz wool	4	78.5	092019	
 Split / Splitless with double taper	4	78.5	092018	092230
 Direct, straight-through liner	1.2	78.5	092016	092224
 Splitless (quartz) straight-through liner	2	78.5	092004	
 Splitless with recessed gooseneck	2	78.5	092013	
 Recessed gooseneck with quartz wool	4	78.5	092010	092223
 Packed Column Liner for HP5880, 5890, 6890	1.8	92	092234	092235


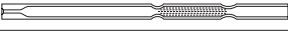
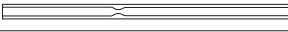
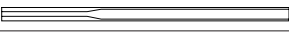
Perkin Elmer AutoSystem

 Split / Splitless FocusLiner	4	92	092092	
 Split / Splitless Tapered FocusLiner	4	92	092095	

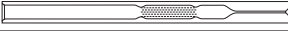
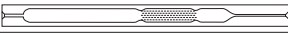
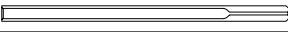
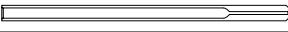

Shimadzu 17A (SPL-17 injector)

 Split / Splitless FocusLiner	3.4	95	092062	
 Split / Splitless Tapered FocusLiner	3.4	95	092068	
 Split / Splitless with middle gooseneck	3.4	95	092085	



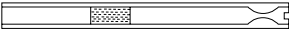
Shimadzu 14/15A/16 (SPL-14 injector)

 Split / Splitless FocusLiner	3.4	99	092065	
 Split / Splitless Tapered FocusLiner	3.4	99	092066	
 Split / Splitless with 2.0mm middle gooseneck	3.4	99	092082	
 Split / Splitless with single taper	3.4	99	0920831	

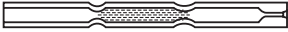
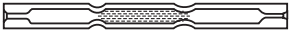
ThermoQuest - CE Instruments Model 8000/TRACE

 Split / Splitless FocusLiner	5	105	092045	
 Split / Splitless, Tapered FocusLiner	5	105	092046	
 Splitless with single taper	3	105	092141	
 Split with single taper	5	105	092144	
 Splitless straight-through liner	3	105	092147	







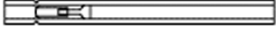




Varian Injector Models 1075/1077

 Split / Splitless FocusLiner	4	72	092022	
 Split / Splitless Tapered FocusLiner	4	72	092025	
 Split with quartz wool	4	72	092021	

Varian Injector Models 1078/1079

 Split / Splitless FocusLiner	3.4	54	092037	
 Split / Splitless Tapered FocusLiner	3.4	54	092036	

Agilent Deactivated Inlet Liners for Agilent Instrumentation

	Description	Liner Vol. (µL)	1 ea. Cat. No.	5/pk Cat. No.	25/pk Cat. No.
Split/Splitless Inlet Liners					
	Liner, general purpose split/splitless, glass wool, taper, deactivated	870	5183-4711	5183-4712	5183-4713
Splitless Inlet Liners					
	Liner, splitless, single-taper no glass wool, deactivated	900	5181-3316	5183-4695	5183-4696
	Liner, splitless, single-taper glass wool, deactivated	900	5062-3587	5183-4693	5183-4694
	Liner, splitless, double-taper glass wool, deactivated	800	5181-3315	5183-4705	5183-4706
Split Inlet Liners					
	Liner, split, low pressure drop glass wool, taper, deactivated	870	5183-4647	5183-4701	5183-4702
	Liner, split, glass wool, non-deactivated	990	19251-60540	5183-4691	5183-4692
	Liner, split, for manual injection with cup, no glass wool	800	18740-80190	5183-4699	5183-4700
	Liner, split, for manual injection with cup, glass wool and packing (not recommended for EPC)	800	18740-60840	5183-4697	5183-4698
Direct Inlet Liners					
	Liner, direct, 2mm ID deactivated	250	5181-8818	5183-4703	5183-4704
	Liner, direct, 2mm ID non-deactivated, quartz	250	18740-80220	5183-4707	5183-4708
	Liner, straight, splitless 4.0mm ID	990	210-3003	210-3003-5	



Replace liners regularly to avoid:

- peak shape degradation
- solute discrimination
- poor reproducibility
- sample decomposition
- ghost peaks

How to determine when to change a liner:

- previous use pattern
- sample cleanliness
- chromatographic abnormalities:
 - peak shape changes
 - peak discrimination
 - poor reproducibility
 - sample pyrolysis



New! Flip Top inlet sealing system for instant access to injection port liners, found on page 53.