

## Liners



### Vertical® GC Liners

The Vertical® GC liners are made of borosilicate glass and designed to obtain the maximum performance to ensure no loss of sample and accurate quantitation of thermally labile or reactive compounds.

- Wide selection ranges
- Fit standard instrument manufacturer's inlets
- High temperature deactivation to ensure inertness

### SGE® FocusLiner™ GC Liners

The SGE® FocusLiner™ overcomes the quartz wool shifting problem. The quartz wool is held in the correct position by means of two tapered sections in the liner. The tapered sections are located to ensure that the needle tip penetrates the secured quartz wool plug wiping any residue liquid sample from the needle tip while providing sufficient surface area for volatilisation. With the SGE FocusLiner™, a good RSD is easily achievable showing the effectiveness of the secured quartz wool.

### Liner O-Rings

- Viton O-rings can be used to 200°C with low bleed and good durability.
- Graphite O-rings can be used to 450°C with non bleed and superb durability.

Ordering Information						
Description, ID, OD and Length	Diagram	Application	QTY	Shimadzu No.	Part No.	
<b>14A/15A/16(SPL-14)</b>						
Split/Splitless, FocusLiner 3.4mmID, 5.0mmOD, 99mmLength		trace analytes > 2µL	5		066G-0015	
			25		066G-0017	
Split/Splitless, FocusLiner, Tapered 3.4mmID, 5.0mmOD, 99mmLength		trace analytes > 2µL	5		066G-0025	
			25		066G-0027	
Split/Splitless, Middle Gooseneck 3.4mmID, 5.0mmOD, 99mmLength		trace analytes > 2µL	5		066G-0035	
			25		066G-0037	
Split/Splitless, Tapered 3.4mmID, 5.0mmOD, 99mmLength		trace analytes < 2µL	5	221-32544-01	066G-0045	
			25		066G-0047	
Splitless, Direct, Wire Bore 3.4mmID, 5.0mmOD, 139mmLength		trace analytes > 2µL	5		066G-0055	
			25		066G-0057	
<b>17A(SP-17) &amp; 2010/2014(SPL-2010)</b>						
Split/Splitless, FocusLiner 3.4mmID, 5.0mmOD, 95mmLength		trace analytes > 2µL	5	092062SH	066G-0065	
			25		066G-0067	
Split/Splitless, FocusLiner, Tapered 3.4mmID, 5.0mmOD, 95mmLength		trace analytes > 2µL	5	092068SH	066G-0075	
			25		066G-0077	
Split/Splitless, Recessed Gooseneck, 3.4mmID, 5.0mmOD, 95mmLength		trace analytes > 2µL	5	092061SH	066G-0085	
			25		066G-0087	
Split, Straight-Though 3.4mmID, 5.0mmOD, 95mmLength		trace analytes > 2µL	5	221-41444-00	066G-0095	
			25		066G-0097	
Split/Splitless, Middle Gooseneck 3.4mmID, 5.0mmOD, 95mmLength		trace analytes > 2µL	5	221-41444-01	066G-0105	
			25		066G-0107	
Split, Straight-Though 2.6mmID, 5.0mmOD, 95mmLength		trace analytes > 2µL	5	221-41544-00	066G-0115	
			25		066G-0117	
Direct for 0.53mm ID Column 2.6mmID, 5.0mmOD, 95mmLength		trace analytes > 2µL	5	220-94768-00	066G-0125	
			25		066G-0127	
SPME Liner 0.75mmID, 5.0mmOD, 95mmLength		trace analytes > 2µL	5	220-94769-00	066G-0135	
			25		066G-0137	
Split/Splitless, Tapered 3.4mmID, 5.0mmOD, 95mmLength		trace analytes > 2µL	5	221-48335-01	066G-0145	
			25		066G-0147	
<b>Liner O-Rings</b>						
Viton O-rings for 2010 (SPL 2010) and 2014 Liners			10		066G-0156	
Graphite O-rings for 14/15/16 (SPL 14) Liners			10		066G-0166	
Graphite O-rings for 17A (SPL 17) Liners			10		066G-0176	