









COLUMN INSTALLS THIS END

Split/Splitless Liners for Shimadzu 17A, 2010, and 2014 GCs	Benefits/Uses:	ID*/OD & Length (mm)	Similar to Shimadzu part #	ea.	cat.# 5-pk.	25-pk.
	universal, for most common analyses	3.5 ID 5.0 OD x 95	221-41444-00	20955	20956	20957
<b>Split/Splitless w/ Wool</b>						
	universal, for most common analyses	3.5 ID 5.0 OD x 95	—	20955-213.1	20956-213.5	20957-213.25
<b>Siltek® Split/Splitless w/ Wool</b>						


SPME Liner for Shimadzu 17A, 2010, and 2014 GCs	Benefits/Uses	ID*/OD & Length (mm)	Similar to Shimadzu part #	ea.	cat.# 5-pk.	25-pk.
	ideal for low volume SPME applications	.75 ID 5.0 OD x 95	—	22278	22279	—
<b>SPME Liner</b>						

DI Liners for Shimadzu 17A, 2010, and 2014 GCs (0.25/0.32/0.53mm ID)	Benefits/Uses	ID*/OD & Length (mm)	Similar to Shimadzu part #	ea.	cat.# 5-pk.	25-pk.
	trace, dirty, high MW active samples, high recovery & linearity	3.5 ID 5.0 OD x 95	—	21713	21719	—
<b>Uniliner® w/ Wool</b>						
	trace, active samples, high recovery & linearity	3.5 ID 5.0 OD x 95	—	21285	21286	—
<b>Open-top Drilled Uniliner® (hole near top)</b>						
	trace, active samples, high recovery & linearity	3.5 ID 5.0 OD x 95	—	21287	21288	—
<b>Open-top Drilled Uniliner® (hole near bottom)</b>						
	trace, active samples, high recovery & linearity	3.5 ID 5.0 OD x 95	—	21289	21290	—
<b>Gooseneck Drilled Uniliner® (hole near top)</b>						
	trace, active samples, high recovery & linearity	3.5 ID 5.0 OD x 95	—	21291	21292	—
<b>Gooseneck Drilled Uniliner® (hole near bottom)</b>						

## tech tip

### Drilled Uniliner® Liners

Use the Drilled Uniliner® liner with the hole near the bottom for semivolatiles analysis or when compounds of interest could be affected by a tailing solvent peak. Use the Drilled Uniliner® liner with the hole near the top for chlorinated pesticides analysis, aqueous injections, as well as for analysis in which the compounds of interest elute away from the solvent peak.

Liners for Shimadzu 17A PTV GCs	Benefits/Uses	ID*/OD & Length (mm)	Similar to Shimadzu part #	ea.	cat.# 5-pk.	25-pk.
	trace, dirty, high & low MW active samples	1.6 ID 4.0 OD x 95	225-09212-01	21705	21706	21707
<b>17A PTV Liner w/ Wool</b>						

\*Nominal ID at syringe needle expulsion point.

## Siltek® Treated Metal Inlet Liners for Shimadzu GCs

- Won't crack, chip or break like glass liners.
- Inertness equivalent to glass liners.
- Excellent response for pesticides, phenols, and other active compounds.

**SILTEK®**  
deactivation



Liner Type (3.5mm ID x 5.0mm OD x 95mm)	qty.	cat.#
95mm Split/Splitless Siltek® Treated Metal Inlet Liners w/Wool	5-pk.	21003