














## Supplies for Shimadzu Instruments: Inlet Liners

Split Liners for Shimadzu 14A GCs	Benefits/Uses:	ID*/OD & Length (mm)	Similar to Shimadzu part #	ea.	cat.# 5-pk.	25-pk.
 Split	universal, for most common analyses	3.5 ID 5.0 OD x 99	221-32544-01	20860	20861	20862
 Cycloplitter®	dirty samples, many injections before cleaning required	3.5 ID 5.0 OD x 99	—	20870	20871	—
 Laminar Cup Splitter	high MW compounds	3.5 ID 5.0 OD x 99	—	20868	20869	—

Splitless Liners for Shimadzu 14A GCs	Benefits/Uses:	ID*/OD & Length (mm)	Similar to Shimadzu part #	ea.	cat.# 5-pk.	25-pk.
 3.5mm Splitless	trace samples	3.5 ID 5.0 OD x 99	221-32544-00	20863	20864	20865

DI Liners for Shimadzu 14A GCs (0.25/0.32/0.53mm ID)	Benefits/Uses	ID*/OD & Length (mm)	Similar to Shimadzu part #	ea.	cat.# 5-pk.	25-pk.
 Uniliner®	trace, active samples, high recovery & linearity	3.5 ID 5.0 OD x 99	—	20876	20877	—
 Cyclo-Uniliner®	trace, dirty, high MW active samples, high recovery & linearity	3.5 ID 5.0 OD x 99	—	20893	20894	—

Split Liners for Shimadzu 17A, 2010, and 2014 GCs	Benefits/Uses:	ID*/OD & Length (mm)	Similar to Shimadzu part #	ea.	cat.# 5-pk.	25-pk.
 1mm Split	purge & trap, fast GC	1.0 ID 5.0 OD x 95	—	20976	20977	20978
 3.5mm Split	universal, for most common analyses	3.5 ID 5.0 OD x 95	221-41444-01	22283	22284	22285
 Split Precision™ Liner w/ Wool	dirty samples, trace samples	3.5 ID 5.0 OD x 95	—	21020	21021	—
 Cycloplitter®	dirty samples, many injections before cleaning required	3.5 ID 5.0 OD x 95	—	22072	22073	—

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.
 3.5mm Splitless	universal, trace samples	3.5 ID 5.0 OD x 95	221-48335-01	22286	22287	—
 Double Gooseneck	reduces backflash and catalytic decomposition	3.5 ID 5.0 OD x 95	—	20958	20959	20960
 Single Gooseneck	reduces backflash, also operates in DI mode	3.5 ID 5.0 OD x 95	—	20961	20962	20963

\*Nominal ID at syringe needle expulsion point.

## ordering note

For descriptions of liner deactivations, packings, and tools, see pages 141-143.

All liners are  
**100%**  
deactivated

All liners are shipped intermediate polarity (IP) deactivated unless otherwise requested.