








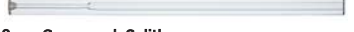
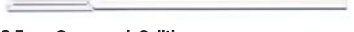


COLUMN INSTALLS THIS END

Split Liners for Shimadzu 14A GCs	Benefits/Uses:	ID* OD x Length	Similar to Shimadzu part #	ea.	cat.#/price 5-pk.	25-pk.
 Split	universal, for most common analyses	3.5mm 5.0mm x 99mm	221-32544-01	20860	20861	20862
 Cyclo-splitter	dirty samples, many injections before cleaning required	3.5mm 5.0mm x 99mm	—	20870	20871	—
 Laminar Cup Splitter	high MW compounds	3.5mm 5.0mm x 99mm	—	20868	20869	—
Splitless Liners for Shimadzu 14A GCs	Benefits/Uses:	ID* OD x Length	Similar to Shimadzu part #	ea.	cat.#/price 5-pk.	25-pk.
 3.5mm Splitless	trace samples	3.5mm 5.0mm x 99mm	221-32544-00	20863	20864	20865
DI Liners for Shimadzu 14A GCs (0.25/0.32/0.53mm ID)	Benefits/Uses	ID* OD x Length	Similar to Shimadzu part #	ea.	cat.#/price 5-pk.	25-pk.
 Uniliner	trace, active samples, high recovery & linearity	3.5mm 5.0mm x 99mm	—	20876	20877	—
 Cyclo-Uniliner	trace, dirty, high MW active samples, high recovery & linearity	3.5mm 5.0mm x 99mm	—	20893	20894	—
Split Liners for Shimadzu 17A, 2010, and 2014 GCs	Benefits/Uses:	ID* OD x Length	Similar to Shimadzu part #	ea.	cat.#/price 5-pk.	25-pk.
 1mm Split	purge & trap, fast GC	1.0mm 5.0mm x 95mm	—	20976	20977	20978
 3.5mm Split	universal, for most common analyses	3.5mm 5.0mm x 95mm	221-41444-01	22283	22284	22285
 2mm Split Precision Liner w/Wool	dirty samples, trace samples	2.0mm 5.0mm x 95mm		22171	22172	—
 3.5mm Split Precision Liner w/Wool	dirty samples, trace samples	3.5mm 5.0mm x 95mm	—	21020	21021	—
 Single Gooseneck w/Wool	dirty samples, trace samples	3.5mm 5.0mm x 95mm		22173	22174	—
 Cyclo-splitter	dirty samples, many injections before cleaning required	3.5mm 5.0mm x 95mm	—	22072	22073	—
Splitless Liners for Shimadzu 17A, 2010, and 2014 GCs	Benefits/Uses:	ID* OD x Length	Similar to Shimadzu part #	ea.	cat.#/price 5-pk.	25-pk.
 2mm Gooseneck Splitless	universal, trace samples	2.0mm 5.0mm x 95mm	—	22276	22277	—
 3.5mm Gooseneck Splitless	universal, trace samples	3.5mm 5.0mm x 95mm	221-48335-01	22286	22287	—
 Double Gooseneck Splitless	reduces backflash and catalytic decomposition	3.5mm 5.0mm x 95mm	—	22274	22275	—

*Nominal ID at syringe needle expulsion point.

All liners are **100% deactivated** All liners are shipped intermediate polarity (IP) deactivated unless otherwise requested.