





## Inlet Liners for Shimadzu GCs

## Liners for Shimadzu 14A GCs







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

## Splitless Liners for Shimadzu 14A GCs




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

\*Nominal ID at syringe needle expulsion point.


## Liners for Shimadzu 17A, 2010, and 2014 GCs

Split Liners for Shimadzu 17A, 2010, and 2014 GCs	Benefits/Uses:	ID* OD x Length	Similar to Shimadzu Part #	ea. cat.#	5-pk. cat.#	25-pk. cat.#
 1 mm Split	purge & trap, fast GC	1.0 mm 5.0 mm x 95 mm		20976	20977	20978
 3.5 mm Split	universal, for most common analyses	3.5 mm 5.0 mm x 95 mm	221-41444-01	22283	22284	22285
 2 mm Split Precision Liner w/Deactivated Wool	dirty samples, trace samples	2.0 mm 5.0 mm x 95 mm		22171	22172	
 3.5 mm Split Precision Liner w/Deactivated Wool	dirty samples, trace samples	3.5 mm 5.0 mm x 95 mm		21020	21021	
 3.5mm Single Taper Precision Liner w/Deactivated Wool	dirty samples, trace samples	3.5 mm 5.0 mm x 95 mm		22173	22174	
 Cyclo	dirty samples, many injections before cleaning required	3.5 mm 5.0 mm x 95 mm		22072	22073	

## Splitless Liners for Shimadzu 17A, 2010, and 2014 GCs

Splitless Liners for Shimadzu 17A, 2010, and 2014 GCs	Benefits/Uses:	ID* OD x Length	Similar to Shimadzu Part #	ea. cat.#	5-pk. cat.#	25-pk. cat.#
 2 mm Single Taper Splitless	universal, trace samples	2.0 mm 5.0 mm x 95 mm		22276	22277	
 3.5 mm Single Taper Splitless	universal, trace samples	3.5 mm 5.0 mm x 95 mm	221-48335-01	22286	22287	
 Double Taper Splitless	reduces backflash and catalytic decomposition	3.5 mm 5.0 mm x 95 mm		22274	22275	



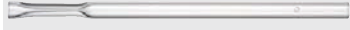


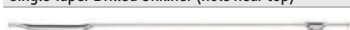
## Split/Splitless Liners for Shimadzu 17A, 2010, and 2014 GCs

Split/Splitless Liners for Shimadzu 17A, 2010, and 2014 GCs	Benefits/Uses:	ID* OD x Length	Similar to Shimadzu Part #	ea. cat.#	5-pk. cat.#	25-pk. cat.#
 Split/Splitless w/Deactivated Wool	universal, for most common analyses	3.5 mm 5.0 mm x 95 mm	221-41444-00	20955	20956	20957

\*Nominal ID at syringe needle expulsion point.


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Liners for Shimadzu 17A, 2010, and 2014 GCs, *cont.*

SPME Liner for Shimadzu 17A, 2010, and 2014 GCs	Benefits/Uses	ID* OD x Length	ea. cat.#	5-pk. cat.#
	ideal for low volume SPME applications	0.75 mm 5.0 mm x 95 mm	22278	22279
SPME Liner				
DI Liners for Shimadzu 17A, 2010, and 2014 GCs (0.25/0.32/0.53 mm ID)	Benefits/Uses	ID* OD x Length	ea. cat.#	5-pk. cat.#
	trace, dirty, high MW active samples, high recovery & linearity	3.5 mm 5.0 mm x 95 mm	21713	21719
Uniliner w/Deactivated Wool				
	trace, active samples, high recovery & linearity	3.5 mm 5.0 mm x 95 mm	21285	21286
Open-Top Drilled Uniliner (hole near top)				
	trace, active samples, high recovery & linearity	3.5 mm 5.0 mm x 95 mm	21287	21288
Open-Top Drilled Uniliner (hole near bottom)				
	trace, active samples, high recovery & linearity	3.5 mm 5.0 mm x 95 mm	21289	21290
Single Taper Drilled Uniliner (hole near top)				
	trace, active samples, high recovery & linearity	3.5 mm 5.0 mm x 95 mm	21291	21292
Single Taper Drilled Uniliner (hole near bottom)				

\*Nominal ID at syringe needle expulsion point.

Liners for Shimadzu 17A PTV GCs

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

\*Nominal ID at syringe needle expulsion point.

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