

The next level of True Blue Performance

Topaz GC inlet liners feature revolutionary technology and inertness to deliver the next level of:

- Deactivation
- Reproducibility
- Productivity

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* For details see back page.



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Topaz GC Inlet Liners

Topaz GC inlet liners feature revolutionary technology and inertness to deliver the next level of True Blue Performance:

- **Deactivation**—unbelievably low breakdown for accurate and precise low-level GC analyses.
- **Reproducibility**—unbeatable manufacturing controls and QC testing for superior reliability across compound classes.
- **Productivity**—unparalleled cleanliness for maximized GC uptime and lab throughput.
- 100% Satisfaction—if a liner doesn't perform to your expectations, we will replace it or credit your account.

Patented

Topaz inlet liners feature a 100% satisfaction guarantee.

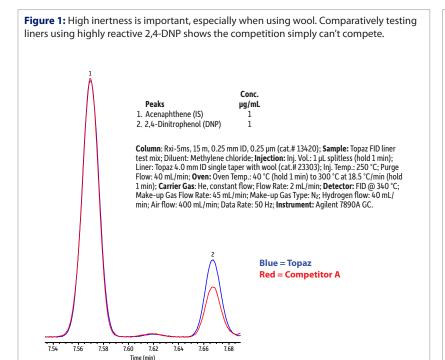
All Topaz inlet liners are produced with proprietary Restek processes and apply some of the tightest testing specifications in the industry. The exceptionally inert Topaz liners analysts want most are in stock now and are guaranteed to deliver outstanding performance that exceeds your expectations.





The next level of True Blue Deactivation

As the demand for lower detection limits continues to grow, even the smallest amount of activity in your liner can cause analyte breakdown and impact your results—tailing peaks, loss of response, and other issues we've all experienced. In developing Topaz GC inlet liners, our chemists created a new deactivation that yields unbelievably low breakdown.



GC_EV1451

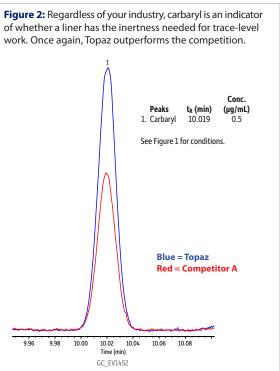
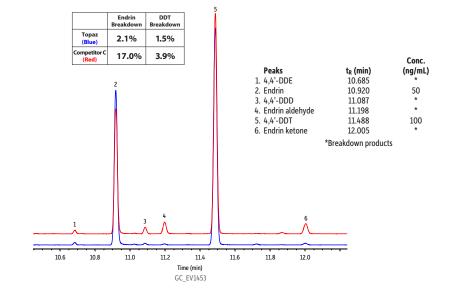


Figure 3: Government regulations can have very strict requirements for maximum analyte breakdown. For example, EPA method 8081 requires no more than 15% endrin and DDT breakdown. No problem with Topaz liners.



Column: Rxi-5ms, 15 m, 0.25 mm ID, 0.25 µm (cat.# 13420); Sample: Endrin (50 ng/mL) and DDT (100 ng/mL); Diluent: n-Hexane; Injection: Inj. Vol.: 1 µL splitless (hold 1.2 min); Liner: Topaz 4.0 mm single taper with wool (cat.# 23303); Inj. Temp.: 250 °C; Purge Flow: 20 mL/min; Oven: Oven Temp.: 50 °C (hold 1.2 min) to 240 °C dx 20 °C/min to 265 °C at 6 °C/min; Carrier Gas: He, constant flow; Rate: 1.5 mL/min; Detector: ECD @ 300 °C; Make-up Gas Flow Rate: 60 mL/min; Make-up Gas Type: Nz; Data Rate: 20 Hz; Instrument: Adjeint 7890A GC.

Liner inertness can be described as the reduction in unwanted reactions between a liner and active compounds (and, therefore, a reduction in analyte breakdown and adsorption). Topaz deactivation technology thoroughly passivates the liner—and the wool inside—so that your liner is highly inert to a wide array of reactive analytes. This inertness increases peak symmetry and response, leading to better quantitation, accuracy, and precision.

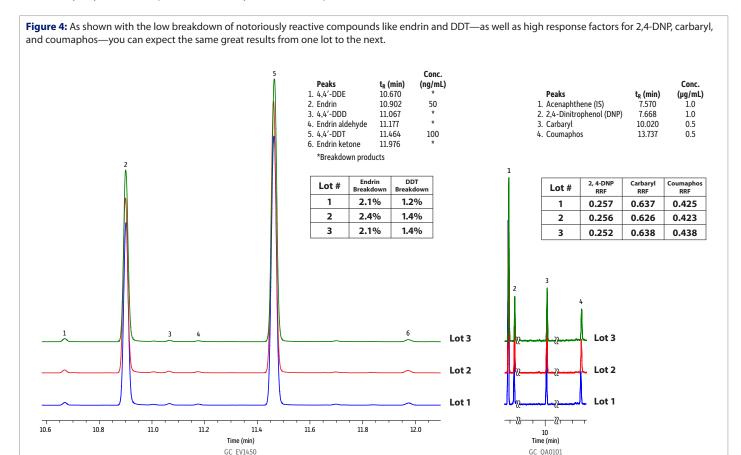
With deactivated Topaz liners, you prevent unwanted chemical interactions and minimize breakdown, which improves your data quality and dependability, and reduces instrument downtime. Even for low-level GC analysis of highly sensitive compounds—like 2,4-DNP, carbaryl, endrin, and DDT—these highly inert liners provide high-quality results that you'll have to see for yourself to believe.



The next level of True Blue Reproducibility

New Topaz inlet liners are made under strict manufacturing controls, followed by a battery of industry-specific QC tests, to prove that every lot we produce maintains superior reliability and outstanding inertness across a broad range of compound classes. By ensuring the utmost reproducibility in our liners, we help eliminate frustration and uncertainty in your work.

In the end, we don't test Topaz liners to exceed method requirements. We don't test Topaz liners to exceed industry norms. We manufacture and QC test Topaz liners to exceed your expectations and bring you the peace of mind that you can always depend on the quality and consistency of your data. Expect more—every time—with Topaz GC inlet liners.



Instrument Conditions for GC_EV1450:

Column: Rxi-5ms, 15 m, 0.25 mm ID, 0.25 μm (cat.# 13420); Sample: Endrin (50 ng/mL) and DDT (100 ng/mL); Diluent: n-Hexane; Injection: Inj. Vol.: 1 μL splitless (hold 1.2 min); Liner: Topaz 4.0 mm single taper with wool (cat.# 23303); Inj. Temp.: 250 °C; Purge Flow: 20 mL/min; Oven: Oven Temp.: 50 °C (hold 1.2 min) to 240 °C at 20 °C/min to 265 °C at 6 °C/min; Carrier Gas: He, constant flow; Flow Rate: 1.5 mL/min; Detector: Micro-ECD @ 300 °C; Make-up Gas Flow Rate: 60 mL/min; Make-up Gas Type: N₂; Data Rate: 20 Hz; Instrument: Agilent 7890A GC.

$Instrument\ Conditions\ for\ GC_QA0101:$

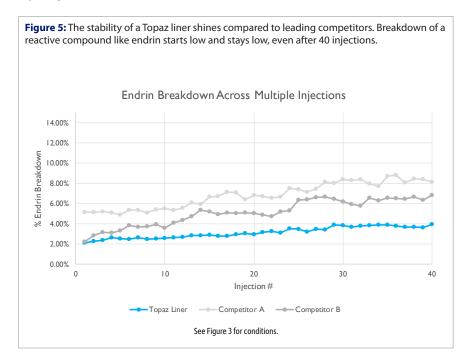
Column: Rxi-5ms, 15 m, 0.25 mm ID, 0.25 µm (cat.# 13420); Sample: Topaz liner FID test mix; Diluent: Methylene chloride; Injection: Inj. Vol.: 1 µL splitless (hold 1 min); Liner: Topaz 4.0 mm single taper liner with wool; Inj. Temp.: 250 °C; Purge Flow: 40 mL/min; Oven: Oven Temp.: 40 °C (hold 1 min) to 300 °C at 18.5 °C/min (hold 1 min); Carrier Gas: He, constant flow; Flow Rate: 2 mL/min; Detector: FID @ 340 °C; Make-up Gas Flow Rate: 45 mL/min; Make-up Gas Type: N₂; Hydrogen flow: 40 mL/min; Air flow: 400 mL/min; Data Rate: 50 Hz; Instrument: Agilent 7890A GC.



The next level of True Blue Productivity

Any time spent with your instrument offline—such as when changing your GC inlet liner or conditioning it afterward—directly ties to increased cost per analysis and decreased revenue for your lab... and raises the odds of yet another evening at the bench catching up on backlogged work for you. Whether you're standing in Restek's applications lab or at your own bench, it is imperative to keep running samples as long as possible, and when you do need to perform maintenance, to get back up and running as quickly as possible.

With the stability and inertness of a Topaz liner, you can analyze more samples before your data quality declines and you have to stop to replace your liner.



Topaz liners also feature blister packaging developed for superior cleanliness. The cleaner the liner, the less time you spend conditioning after changing your liner.



Greater instrument uptime translates into more samples run and more profit for your lab. Get it with the unparalleled stability and cleanliness of Topaz inlet liners.

Turn to the Ultimate in *Deactivation, Reproducibility, and Productivity*

Give yourself, your lab, and your customers the confidence you need in the data you generate—and the ability to keep your instruments running longer. Order your Topaz GC inlet liners today.

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Topaz Inlet Liners for Agilent GCs

Split Liners for Agilent GCs	ID	Similar to		
RESTEK	OD x Length	Agilent Part #	qty.	cat.#
1 mm Split	1.0 mm 6.3 mm x 78.5 mm		5-pk.	23333
RESTEK			о р.ш	23333
4 mm Straight w/Wool	4.0 mm 6.3 mm x 78.5 mm	5183-4691, 5190-3164	5-pk.	23300
RESTÈK		,		
2 mm Precision Liner w/Wool	2.0 mm 6.3 mm x 78.5 mm		5-pk.	23468
RESTEK				
4 mm Precision Liner w/Wool	4.0 mm 6.3 mm x 78.5 mm	210-4004-5	5-pk.	23305
VAWAVAANA RESTEK	4.0			
4 mm Cyclo	4.0 mm 6.3 mm x 78.5 mm		5-pk.	23312
Splitless Liners for Agilent GCs	ID OD v Lanath	Similar to		#
	OD x Length	Agilent Part #	qty.	cat.#
2 mm Splitless	2.0 mm 6.5 mm x 78.5 mm	5183-4703	5 nk	23313
	0.5	3163-4103	5-pk.	23313
RESTÈK	2.0 mm 6.5 mm x 78.5 mm		Enk	2221/
2 mm Splitless w/Wool	ווווו כ.סו ג וווווו כ.ס		5-pk.	23314
RESTÊK	2.0 mm		الماء	22215
2 mm Single Taper	6.5 mm x 78.5 mm		5-pk.	23315
RESTEK	2.0 mm		Fl.	22216
2 mm Single Taper w/Wool	6.5 mm x 78.5 mm		5-pk.	23316
RESTEK	4.0 mm	210 2002 05	Fl.	22201
4 mm Straight	6.3 mm x 78.5 mm	210-3003-05	5-pk.	23301
RESTÈK	4.0 mm			
4 mm Straight w/Wool	6.3 mm x 78.5 mm	5183-4691, 5190-3164	5-pk.	23300
RESTEK	4.0 mm	5400 / 605		
4 mm Single Taper	6.5 mm x 78.5 mm	5183-4695	5-pk.	23302
RESTEK	4.0 mm	F102 / C02 F100 21C2	Fl.	22202
4 mm Single Taper w/Wool	6.5 mm x 78.5 mm	5183-4693, 5190-3163	5-pk.	23303
REŚTÈK	4.0 mm	5400 (505		
4 mm Double Taper	6.5 mm x 78.5 mm	5183-4705	5-pk.	23308
RESTEK	4.0 mm			
4 mm Cyclo Double Taper	6.5 mm x 78.5 mm		5-pk.	23310
	ID	Similar to		
Split/Splitless Liners for Agilent GCs	OD x Length	Agilent Part #	qty.	cat.#
RESTEK	4.0 mm			
4 mm Straight w/Wool	6.3 mm x 78.5 mm	5183-4691, 5190-3164	5-pk.	23300
RESTEK TO THE RESTER TO THE RE	4.0 mm			
Low Pressure Drop Precision Liner w/Wool	6.3 mm x 78.5 mm		5-pk.	23309
RESTEK	4.0 mm			
Low Pressure Drop Liner w/Wool	6.3 mm x 78.5 mm	5183-4701, 5183-4712,	5-pk.	23467
		5190-3165	- Pi	

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Topaz Inlet Liners for Agilent GCs

Topuz Inict Emers for Agricult des					
CIS4 and PTV Liners for Agilent GCs	ID OD x Length	Similar to Agilent Part #	qty.	cat.#	
RESTEK	-	71 9 1101111111	4.7.	444	
On Column PTV	1.7 mm 3.0 mm x 71 mm		5-pk.	23430	
DESTER	J.0 IIIII X 11 IIIIII		3-μκ.	23430	
Single Baffle PTV	2.0 mm 3.0 mm x 71 mm	5183-2036	10 pk	23431	
	3.0 X	3163-2030	10-pk.	23431	
Cinale Deff a DTV w/lyle al	2.0 mm	F102 2020	10 mls	221.22	
Single Baffle PTV w/Wool	3.0 mm x 71 mm	5183-2038	10-pk.	23432	
RESTÊK	1.5 mm	F102 2027	10	224.22	
Baffled PTV	3.0 mm x 71 mm	5183-2037	10-pk.	23433	
		e: 11 .			
CIS4/TDU Liners for Agilent GCs	ID OD x Length	Similar to Gerstel Part #	qty.	cat.#	
RESTEK	-		17		
Single Baffle CIS4/TDU	2.0 mm 3.0 mm x 78 mm	013775-010-00	10-pk.	23283	
RESTEK					
Single Baffle CIS4/TDU w/Wool	2.0 mm 3.0 mm x 78 mm	012742-010-00	10-pk.	23284	
RESIEK		011,11 010 00	20 piu		
Baffled CIS4/TDU	2.0 mm 3.0 mm x 78 mm	012436-010-00	10-pk.	23282	
Analytical Controls TPI Inlet Liners for Agilent GCs	ID				
	OD x Length		qty.	cat.#	
RESTĚK	2.4 mm		10	22/20	
TPI for 0.53 mm ID columns	4.0 mm x 71 mm		10-pk.	23429	
REŚTĖK	2.4 mm				
TPI for 0.25/0.32 mm ID columns	4.0 mm x 71 mm		10-pk.	23428	
	ID				
SPME Liners for Agilent GCs	OD x Length		qty.	cat.#	
RESTEK	0.75 mm				
SPME Liner	6.35 mm x 78.5 mm		5-pk.	23434	
RESTEK	1.8 mm				
SPME Liner	6.5 mm x 78.5 mm		5-pk.	23280	
Direct Injection Liners for Agilent GCs (for 0.25/0.32/0.53 mm ID Columns)	ID OD x Length		atv	cat.#	
	OD A Leligiti		qty.	ται.π	
DESTEV					
Prilled Uniliner (hole pear bottom)	4.0 mm		5 nk	23306	
Drilled Uniliner (hole near bottom)	4.0 mm 6.3 mm x 78.5 mm		5-pk.	23306	
Drilled Uniliner (hole near bottom)	6.3 mm x 78.5 mm 4.0 mm				
Drilled Uniliner (hole near bottom) RESTEK Drilled Uniliner (hole near bottom) w/Wool	6.3 mm x 78.5 mm		5-pk. 5-pk.	23306	
Drilled Uniliner (hole near bottom)	6.3 mm x 78.5 mm 4.0 mm				

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Topaz Inlet Liners for Bruker/Varian GCs

Liners for Bruker/Varian 1177 S/SL Injection Ports	ID OD v Longth		at	cat #
	OD x Length		qty.	cat.#
RESTEK	4.0 mm			
mm Split Liner w/Glass Frit	6.3 mm x 78.5 mm		5-pk.	23330
RESTEK	4.0 mm			
mm Precision Liner w/Wool	6.3 mm x 78.5 mm		5-pk.	23328
RESTEK	4.0 mm			
mm Single Taper	6.5 mm x 78.5 mm		5-pk.	23331
RESTEK				
+ mm Single Taper w/Wool	4.0 mm 6.5 mm x 78.5 mm		5-pk.	23332
3.0 mps. 1, 1000			- P	
SPI Liners for Bruker/Varian S/SL Injection Ports	ID	Similar to		
i i Linera foi Diuvei / Valian a/ al Injection Foi ta	OD x Length	Bruker/Varian Part #	qty.	cat.#
RESTEK	0.53 mm			
SPI Liner	4.6 mm x 54 mm		5-pk.	23460
RESTEK	0.80 mm			
SPI Liner	4.6 mm x 54 mm	4984, 5122991	5-pk.	23461
			•	
iners for Bruker/Varian 1078/1079 Injection Ports	ID			
iners for brukery variant 1010/1019 injection Forts	OD x Length		qty.	cat.#
RESTEK	3.4 mm			
3.4 mm Split–No Frit	5.0 mm x 54 mm		5-pk.	23329
RESTEK	3.4 mm			
Split w/Glass Frit	5.0 mm x 54 mm		5-pk.	23462
RESTEK			-	
Splitless	2.0 mm 5.0 mm x 54 mm		5-pk.	23463
puttess	3.0 11111 x 3 + 111111		3 pk.	23703
RESTEK	0.75 mm			
SPME Liner	5.0 mm x 54 mm		5-pk.	23465
RESTEK	3.4 mm			
Split Precision Liner w/Wool	5.0 mm x 54 mm		5-pk.	23466
Topaz Inlet Liners for DANI GCs				
Liners for DANI GCs	ID			
	OD x Length		qty.	cat.#
RESTEK	0.8 mm			
0.8 mm ID Straight Liner	6.0 mm x 70 mm		5-pk.	23293
0.8 mm ID Straight Liner (includes: ferrule set)			5-pk.	23286
RESTÊK	2.0 mm			
2.0 mm ID Straight Liner	6.0 mm x 70 mm		5-pk.	23292
2.0 mm ID Straight Liner (includes: ferrule set)			5-pk.	23285
RESTEK	2.2 mm			
	۲٫۷ ۱۱۱۱۱۱			

	OD X Length	qty.	Cat.#
RESTEK	0.8 mm		
0.8 mm ID Straight Liner	6.0 mm x 70 mm	5-pk.	23293
0.8 mm ID Straight Liner (includes: ferrule set)		5-pk.	23286
RESTÊK	2.0 mm	·	
2.0 mm ID Straight Liner	6.0 mm x 70 mm	5-pk.	23292
2.0 mm ID Straight Liner (includes: ferrule set)		5-pk.	23285
RESTEK	2.2 mm		
2.2 mm ID Straight Liner w/Wool	4.0 mm x 85.7 mm	5-pk.	23291
RESTEK	2.2 mm		
2.2 mm ID Dimpled Liner w/Wool	4.0 mm x 55 mm	5-pk.	23296
2.2 mm ID Dimpled Liner w/Wool (includes: ferrule set)		5-pk.	23289
RESTEK	4.0 mm		
4.0 mm ID Straight Liner	6.0 mm x 70 mm	5-pk.	23294
4.0 mm ID Straight Liner (includes: ferrule set)		5-pk.	23287
RESTEK	4.0 mm		
4.0 mm ID Straight Liner w/Wool	6.0 mm x 70 mm	5-pk.	23295
4.0 mm ID Straight Liner w/Wool (includes: ferrule set)		5-pk.	23288
RESTEK	4.0 mm		
4.0 mm ID Single Taper Liner w/Wool	6.0 mm x 70 mm	5-pk.	23297
4.0 mm ID Single Taper Liner w/Wool (includes: ferrule set)		5-pk.	23290



Topaz Inlet Liners for PerkinElmer GCs

Split Liners for PerkinElmer GCs	ID OD x Length	qty.	cat.#
RESTEK		4-9-	444
Splitter w/Wool	4.0 mm 6.2 mm x 92.1 mm	5-pk.	23449
	0.2 IIIII X 92.1 IIIIII	э-рк.	23449
RESTEK	4.0 mm		
4 mm Split Precision Liner w/Wool	6.2 mm x 92.1 mm	5-pk.	23450
	ID		
Splitless Liners for PerkinElmer GCs	OD x Length	qty.	cat.#
RESTEK			
2 mm Splitless w/Wool	2.0 mm 6.2 mm x 92.1 mm	5-pk.	23451
Z IIIII Splittess W/ WOOL	0.2 IIIIII X 92.1 IIIIII	3-рк.	23431
	ID		
PSS Liners for PerkinElmer GCs	OD x Length	qty.	cat.#
RESTEK	2.0 mm		
Auto SYS XL PSS Split/Splitless w/Wool	2.0 mm 4.0 mm x 86.2 mm	5-pk.	23317
Auto 313 AET 33 Spilit/Spiliticss W/ Woot	7.0 Hill X 00.2 Hill	5 рк.	23311
DI Liners for PerkinElmer GCs	ID		
Di Lillers for Perkilleuller GCS	OD x Length	qty.	cat.#
RESTEK	4.0 mm		
Open-Top Uniliner w/Wool	6.2 mm x 92.1 mm	5-pk.	23452
RESTEK		•	
	2.0 mm		
PSS Drilled Uniliner (hole near top)	4.0 mm x 86.2 mm	5-pk.	23281
RESTEK	4.0 mm		
Drilled Uniliner (hole near top)	6.2 mm x 92.1 mm	5-pk.	23453
Paille d Uniting of the largest bettern)	4.0 mm	FI	22/5/
Drilled Uniliner (hole near bottom)	6.2 mm x 92.1 mm	5-pk.	23454

Topaz Inlet Liners for Shimadzu GCs

Cult Linear for Chimadau 174, 2010, and 2016, CCa	ID			
Split Liners for Shimadzu 17A, 2010, and 2014 GCs	OD x Length	qty.	cat.#	
RESTEK				
NESTER	3.5 mm			
3.5 mm Split	5.0 mm x 95 mm	5-pk.	23318	
RESTEK				
RESIER	3.5 mm			
3.5 mm Split w/Wool	5.0 mm x 95 mm	5-pk.	23319	
RESTÈK				
RESTER	3.5 mm			
3.5 mm Precision Liner w/Wool	5.0 mm x 95 mm	5-pk.	23320	
RESTEK				
RESTER	3.5 mm			
Single Taper Precision Liner w/Wool	5.0 mm x 95 mm	5-pk.	23455	
CAMMANA RESTEK	2.5			
	3.5 mm			
Cyclo	5.0 mm x 95 mm	5-pk.	23456	

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Topaz Inlet Liners for Shimadzu GCs

Splitless Liners for Shimadzu 17A, 2010, and 2014 GCs	ID		
Splittess Liners for Snimadzu 17A, 2010, and 2014 GCS	OD x Length	qty.	cat.#
RESTEK	3.5 mm		
3.5 mm Single Taper	5.0 mm x 95 mm	5-pk.	23321
RESTEK	3.5 mm		
3.5 mm Single Taper w/Wool	5.0 mm x 95 mm	5-pk.	23336
RESTEK		·	
3.5 mm Single Taper w/Wool	3.5 mm 5.0 mm x 95 mm	5-pk.	23322
	3.0 mm x 93 mm	3-μκ.	23322
RESTEK)	3.5 mm		
Double Taper	5.0 mm x 95 mm	5-pk.	23457
	ID.		
Split/Splitless Liners for Shimadzu 17A, 2010, and 2014 GCs	ID OD x Length	qty.	cat.#
RESTÈK		.,	
Split/Splitless w/Wool	3.5 mm 5.0 mm x 95 mm	5-pk.	23458
opalijopalioss iij mool	0.0	о р.:.	20100
1' (cl' 474 PT) CC	ID		
Liners for Shimadzu 17A PTV GCs	OD x Length	qty.	cat.#
RESTEK	1.6 mm		
PTV w/Wool	4.0 mm x 95 mm	5-pk.	23435
SPME Liners for Shimadzu 17A, 2010, and 2014 GCs	ID		
317-12 Enters for Simmated 2174, E020, und E024-003	OD x Length	qty.	cat.#
RESTEK	1.8 mm		
SPME Liner	5.0 mm x 95 mm	5-pk.	23279
DI Liners for Shimadzu 17A, 2010, and 2014 GCs	ID		
	OD x Length	qty.	cat.#
REŚTĖK	3.5 mm		
Uniliner w/Wool	5.0 mm x 95 mm	5-pk.	23459
Liners for Shimadzu 2010 PTV GCs	ID OD 11 counts		4 #
	OD x Length	qty.	cat.#
RESTEK	1.5 mm		
PTV 2010	3.5 mm x 95 mm	10-pk.	23471
RESTĚK	1.5 mm		
PTV 2010 w/Wool	3.5 mm x 95 mm	10-pk.	23472

Topaz Inlet Liners for Thermo Scientific GCs

C I'll' C TI TRACE COCC COCC TOR IF CCI	ID			
Split Liners for Thermo TRACE, 8000, 8000 TOP, and Focus SSL	OD x Length	qty.	cat.#	
RESTEK				
	3.0 mm			
Split Straight	8.0 mm x 105 mm	5-pk.	23439	
RESTEK				
NESTER.	3.0 mm			
Split Straight w/Wool	8.0 mm x 105 mm	5-pk.	23440	
RESTEK				
RESTER	5.0 mm			
5 mm Straight	8.0 mm x 105 mm	5-pk.	23323	
RESTEK				
KESTER	5.0 mm			
5 mm Straight w/Wool	8.0 mm x 105 mm	5-pk.	23324	
RESTEK	5.0 mm			
5 mm Precision Liner w/Wool	8.0 mm x 105 mm	5-pk.	23327	

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Topaz Inlet Liners for Thermo Scientific GCs

Culibles a Linear for Thorne TDACE 8000 8000 TOD and Form CCI	ID		
Splitless Liners for Thermo TRACE, 8000, 8000 TOP, and Focus SSL	OD x Length	qty.	cat.#
RESTEK	2.0		
Splitless	3.0 mm 8.0 mm x 105 mm	5-pk.	23441
	8.0 IIIIII X 103 IIIIII	υ-ρκ.	23441
RESTEK	3.0 mm		
Splitless w/Wool	8.0 mm x 105 mm	5-pk.	23442
RESTEK			
	5.0 mm	_	
Splitless Precision Liner w/Wool	8.0 mm x 105 mm	5-pk.	23443
RESTEK			
	5.0 mm		
5 mm Splitless	8.0 mm x 105 mm	5-pk.	23325
RESTEK			
	5.0 mm	_	
5 mm Splitless w/Wool	8.0 mm x 105 mm	5-pk.	23326
Split Liners for Thermo TRACE 1300/1310	ID		
Spit Liners for Thermo TRACE 1300/1310	OD x Length	qty.	cat.#
RESTÈK	10		
	1.0 mm		
Split	6.3 mm x 78.5 mm	5-pk.	23448

Topaz Inlet Liners for Thermo Scientific GCs

Splitless Liners for Thermo TRACE 1300/1310	ID		
Splittess Liliers for Thermo TRACE 1500/1510	OD x Length	qty.	cat.#
RESTEK			
Splitless Straight	4.0 mm 6.3 mm x 78.5 mm	5-pk.	23445
	0.5	у-рк.	23443
RESTEK	4.0 mm		
4 mm Splitless Single Taper	6.5 mm x 78.5 mm	5-pk.	23446
RESTEK			
	4.0 mm	- 1	20117
4 mm Splitless Single Taper w/Wool	6.5 mm x 78.5 mm	5-pk.	23447
Split/Splitless Liners for Thermo TRACE 1300/1310	ID		
Split/Splittess Elliers for Thermo Titale 1500/1510	OD x Length	qty.	cat.#
RESTEK	4.0 mm		
4 mm Split/Splitless Straight w/Wool	6.3 mm x 78.5 mm	5-pk.	23444
4 mm sput/sputtess straight w/ woot	0.5 mm x 10.5 mm	3 pr.	LJTTT
Split Liners for Thermo Scientific TRACE PTV	ID		
	OD x Length	qty.	cat.#
RESTEX	1.0 mm		
Split PTV	2.75 mm x 120 mm	5-pk.	23436
·		· · · · · · · · · · · · · · · · · · ·	
MSTER.	2.0 mm		
Split PTV	2.75 mm x 120 mm	5-pk.	23437
ROTTE	2.0 mm		
Baffled PTV	2.0 mm 2.75 mm x 120 mm	5-pk.	23438
Duniculiy	2.13 111111 x 120 111111	<i>J-</i> μκ.	LJTJU
	_		
SPME Liner for Thermo TRACE 1300/1310	ID OD 11 Laurett		4.44
	OD x Length	qty.	cat.#
RESTEK	1.8 mm		
RESTEK SPME Liner	1.8 mm 6.5 mm x 78.5 mm	5-pk.	23278

Patented

QUANTITY DISCOUNTS AVAILABLE for orders of five or more 5-packs!





What Will You Lose When You Switch to Topaz Liners?

Revolutionary Topaz deactivation results in unbelievably low breakdown and higher responses for active compounds—with each and every liner you order. These liners will help you generate more accurate and more precise low-level GC analyses and help prevent common data issues.



Eliminate Tailing Peaks



Avoid Loss in Response



Stop Analyte Breakdown



Reduce Liner-to-Liner Variability

What Will You Gain? Productivity.

Extend your uptime and generate more revenue with Topaz liners. Learn how inside.

* 100% SATISFACTION GUARANTEE: If your Topaz inlet liner does not perform to your expectations for any reason, simply contact Restek Technical Service or your local Restek representative and provide a sample chromatogram showing the problem. If our GC experts are not able to quickly and completely resolve the issue to your satisfaction, you will be given an account credit or replacement product (same cat.#) along with instructions for returning any unopened product. (Do not return product prior to receiving authorization.) For additional details about Restek's return policy, visit www.restek.com/warranty.



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