

**Thermo Scientific**  
Chromatography Columns  
and Consumables 2016-2017

# Connected chromatography solutions

**Thermo**  
SCIENTIFIC

## Syringes for GC Instruments

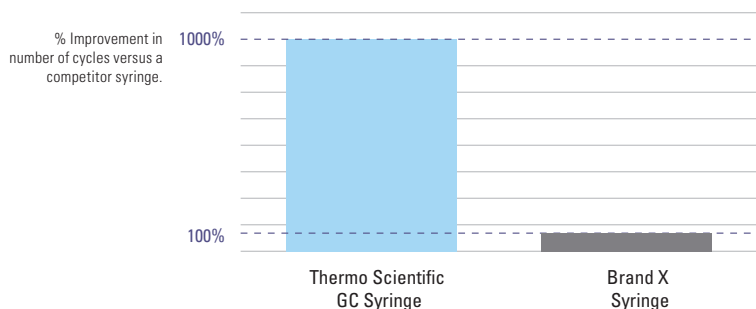
Providing durability, clarity and accuracy for your sample

Thermo Scientific™ syringes for GC instruments are designed to provide enhanced durability, clarity and accuracy in sample introduction. This gives confidence in analytical results, time-after-time.

### Durability in your GC Syringe

The enhanced design of the syringes delivers:

- Improved solvent resistance
- Greater temperature range
- Increased operational smoothness
- Longer lifetime and improved cycle life



### Clarity in your GC Syringe

Syringes are provided with a clear, easy-to-read black scale, which aids in consistent delivery of samples for manual syringes and easy identification of installed autosampler syringes.

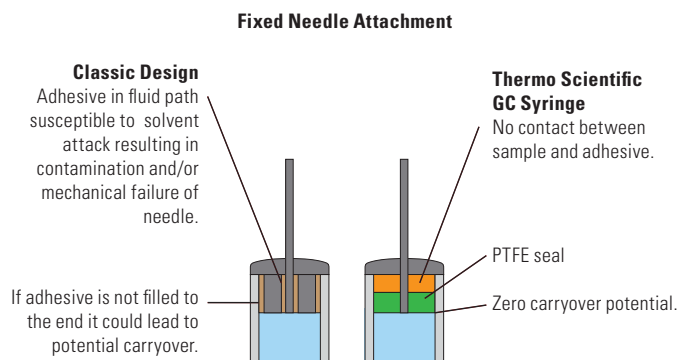


### Accuracy in your GC Syringe

The enhanced design of the syringe has eliminated areas where the sample can become trapped and potentially cause carryover:

- Closer fit between the plunger tip and PTFE insert at the zero position
- Tighter fit between PTFE insert and glass barrel
- Improved fixed needle attachment

In addition, the reduction in adhesive from the fluid path enhances durability and reduces the risk of sample interaction with the adhesive.



## GC Syringes for Thermo Scientific TriPlus RSH Autosampler

## Removable Needle Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Type	Cat. No.	Quantity	Repair Kit Cat. No.	Quantity
0.5	57	23	Cone	Split	<b>365A0241*</b>	1 Each	<b>365RN617</b>	1 Each
1	57	23	Cone	Split	<b>365B0251*</b>	1 Each	<b>365RN656</b>	1 Each

## Fixed Needle Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Type	Cat. No.	Quantity
5	85	23s	Cone	Merlin Valve SSL Injector: Splitless	<b>365C0221</b>	1 Each
	57	23s	Cone	Merlin Valve Injector: PTV and split	<b>365C0231*</b>	1 Each
	85	26s	Cone	Splitless and OC	<b>365C0241</b>	1 Each
	57	26s	Cone	Split and PTV	<b>365C0251*</b>	1 Each
10	85	23s	Cone	Merlin Valve SSL Injector: Splitless	<b>365D0261</b>	1 Each
	57	23s	Cone	Merlin Valve Injector: PTV and split	<b>365D0271*</b>	1 Each
	85	26s	Cone	Splitless and OC	<b>365D0281</b>	1 Each
	57	26s	Cone	Split and PTV	<b>365D0291*</b>	1 Each

## Fixed Needle, Gas Tight Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Type	Cat. No.	Quantity
10	85	23s	Cone	Merlin Valve SSL Injector: Splitless	<b>365D0301</b>	1 Each
	57	23s	Cone	Merlin Valve Injector: PTV and split	<b>365D0311*</b>	1 Each
	85	26s	Cone	Splitless and OC	<b>365D0321</b>	1 Each
	57	26s	Cone	Split and PTV	<b>365D0331*</b>	1 Each
25	85	23s	Cone	Merlin Valve SSL Injector: Splitless	<b>365F2431</b>	1 Each
	57	23s	Cone	Merlin Valve Injector: PTV and split	<b>365F2441*</b>	1 Each
	85	26s	Cone	Splitless and OC	<b>365F2451</b>	1 Each
	57	26s	Cone	Split and PTV	<b>365F2461*</b>	1 Each
50	57	23s	Cone	Merlin Valve SSL Injector: LV Splitless	<b>365G2311*</b>	1 Each
	85	26s	Cone	LV OC	<b>365G2321</b>	1 Each
	57	26s	Cone	LV Splitless	<b>365G2331*</b>	1 Each
100	57	23s	Cone	Merlin Valve SSL Injector: LV Splitless	<b>365H2141*</b>	1 Each
	85	26s	Cone	LV OC	<b>365H2151</b>	1 Each
	57	26s	Cone	LV Splitless	<b>365H2161*</b>	1 Each
	85	23	Side Hole	Variable depth LV PTV (w & w/o Merlin)	<b>365H2171</b>	1 Each
	57	23	Side Hole	LV PTV (with or without Merlin valve)	<b>365H2181*</b>	1 Each
250	85	26	Cone	LV OC	<b>365I2321</b>	1 Each
	57	26	Cone	LV Splitless	<b>365I2331</b>	1 Each
	85	23	Side Hole	Variable depth LV PTV (w & w/o Merlin)	<b>365I2341</b>	1 Each
	57	23	Side Hole	LV PTV (with or without Merlin valve)	<b>365I2351</b>	1 Each
500	85	26	Cone	LV OC	<b>365J2411</b>	1 Each
	57	26	Cone	Sample Dilution	<b>365J2421</b>	1 Each
	85	23	Side Hole	Variable depth LV PTV (w & w/o Merlin)	<b>365J2431</b>	1 Each
	57	23	Side Hole	LV PTV (with or without Merlin valve)	<b>365J2441</b>	1 Each
1000	65	23	Side Hole	Headspace	<b>365Q2121</b>	1 Each
	57	22	LC	Sample Dilution	<b>365K2811</b>	1 Each
2500	65	23	Side Hole	Headspace	<b>365Q2131</b>	1 Each
5000	65	22	Side Hole	Headspace	<b>365Q2141</b>	1 Each
10000	57	19	LC	Sample Dilution	<b>365N2721</b>	1 Each

\* Also suitable for use with the Thermo Scientific™ TriPlus™ 100LS Autosampler

## GC Syringes for Thermo Scientific Instruments

## Removable Needle, Gas Tight Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Type	Cat No.	Quantity	Replacement Needle Cat. No.	Quantity	Instrument Compatibility
10	75	31	Cone	Manual OC	<b>36500520</b>	1 Each	<b>36550046</b>	2 Pack	
100	50	23	Side hole	See Note	<b>36520050</b>	1 Each	<b>36550040</b>	2 Pack	TriPlus, AS200/AS800
100	50	23	Cone	LV Splitless	<b>36500495</b>	1 Each	<b>36566485</b>	5 Pack	TriPlus, AS2000, AS200/AS800
250	80	26	Cone	LVOC	<b>36500490</b>	1 Each	<b>36566480</b>	5 Pack	TriPlus, AS2000
250	50	23	Side hole	See Note	<b>36520051</b>	1 Each	<b>36550040</b>	2 Pack	TriPlus, AS2000, AS200/AS800
1000	50	23	Bevel		<b>365K3041</b>	1 Each	<b>365RN235</b>	5 Pack	AS200/AS800

## Removable Needle Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Type	Cat No.	Quantity	Replacement Needle Cat. No.	Quantity	Instrument Compatibility
5	75	31	Cone	Manual OC	<b>36500510</b>	1 Each	<b>36550045</b>	2 Pack	
10	50	26	Cone		<b>365D1841</b>	1 Each	<b>365RN362</b>	2 Pack	AS3000, AS2000
10	50	23	Cone		<b>365D3731</b>	1 Each	<b>365RN372</b>	2 Pack	AS3000, AS2000, AS200/AS800
50	50	23	Cone	LV Splitless	<b>36503015</b>	1 Each	<b>36566485</b>	5 Pack	AS2000

Syringe 36520051 is to be used when performing PTV/LVI injections with a dedicated liner for thermal labile compounds (liner 45352060). Compatible with Merlin Microseal device installed on BEST PTV and with AS2000 and TriPlus autosamplers for liquids.

## Fixed Needle, Gas Tight Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Type	Cat No.	Quantity	Instrument Compatibility
10	50	23	Cone		<b>365D3741</b>	1 Each	AS2000
100	50	25	Bevel		<b>365H2321</b>	1 Each	AS200/AS800
250	50	25	Bevel		<b>365I2561</b>	1 Each	AS200/AS800

## Fixed Needle Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Type	Cat No.	Quantity	Instrument Compatibility
5	50	26	Cone	Split/PTV	<b>36504047</b>	1 Each	TriPlus
5	50	23	Cone		<b>365C3701</b>	1 Each	AS3000, AS2000, AS200/AS800
5	50	26	Cone	Split/PTV	<b>36500505</b>	1 Each	AS3000, AS2000
5	80	26	Cone	Splitless and OC	<b>36502025</b>	1 Each	TriPlus
10	50	26	Cone		<b>365D3711</b>	1 Each	AS3000, AS200, AS200/AS800
10	50	26	Cone		<b>365D1856</b>	6 Pack	AS300, AS2000, AS200/AS800
10	50	25	Cone	Split/PTV	<b>36500525</b>	1 Each	TriPlus, AS3000, AS2000, AS200/AS800

**Fixed Needle Syringes (Continued)**

Volume (µL)	Length (mm)	Gauge	Tip Style	Type	Cat No.	Quantity	Instrument Compatibility
10	50	23	Cone	PTV/SSL Split	<b>36520060</b>	1 Each	TriPlus, AS300, AS2000, AS200/AS800
10	80	23	Cone	Merlin Valve SSL Splitless	<b>36520061</b>	1 Each	TriPlus, AS2000
10	50	23-26	Cone	OC in PTV Merlin Valve	<b>36500580</b>	1 Each	TriPlus, AS2000
10	80	26	Cone	OC and Splitless	<b>36502019</b>	1 Each	TriPlus, AS2000

**Plunger-in-Needle Syringes**

Volume (µL)	Length (mm)	Gauge	Tip Style	Type	Cat No.	Quantity	Instrument Compatibility
0.5	50	23	Cone	Split/PTV	<b>36504045</b>	1 Each	TriPlus, AS3000
0.5	75	31	Cone	Manual OC	<b>36500500</b>	1 Each	
0.5	80	26	Cone	Splitless and OC	<b>36504046</b>	1 Each	TriPlus

**GC Syringes for Agilent Instruments****Removable Needle Syringes**

Volume (µL)	Length (mm)	Gauge	Tip Style	Cat. No.	Quantity	Replacement Needle Cat. No.	Quantity
10	42	23	Cone	<b>365D1611</b>	6 Pack	<b>365RN252</b>	2 Pack

**Fixed Needle, Gas Tight Syringes**

Volume (µL)	Length (mm)	Gauge	Tip Style	Cat. No.	Quantity
10	42	23-26	Cone	<b>365D0621</b>	1 Each
		23-26	Cone	<b>365D0626</b>	6 Pack

**Fixed Needle Syringes**

Volume (µL)	Length (mm)	Gauge	Tip Style	Cat. No.	Quantity
5	42	23	Cone	<b>365C0951</b>	1 Each
		23	Cone	<b>365C0956</b>	6 pack
		23-26s	Cone	<b>365C0971</b>	1 Each
		23-26s	Cone	<b>365C0976</b>	6 pack
		23	Cone	<b>365D1571</b>	1 Each
10	42	23	Cone	<b>365D1571</b>	1 Each
		23	Cone	<b>365D1576</b>	6 pack
		23-26s	Cone	<b>365D1621</b>	1 Each
		23-26s	Cone	<b>365D1636</b>	6 pack

**Fixed Needle, Super-Elastic Plunger Syringes**

Volume (µL)	Length (mm)	Gauge	Tip Style	Cat. No.	Quantity
10	42	23-26s	Cone	<b>365D5416</b>	1 Each

## GC Syringes for Shimadzu Instruments

### Removable Needle Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Cat. No.	Quantity	Replacement Needle Cat. No.	Quantity
5	42	26s	Cone	<b>365C6610</b>	1 Each	<b>365RN663</b>	2 Pack
		23s	Cone	<b>365C6620</b>	1 Each	<b>365RN661</b>	2 Pack
10	42	26s	Cone	<b>365D6610</b>	1 Each	<b>365RN272</b>	2 Pack
		23s	Cone	<b>365D6620</b>	1 Each	<b>365RN282</b>	2 Pack

## GC Syringes for CTC Instruments

### Removable Needle Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Cat. No.	Quantity	Replacement Needle Cat. No.	Quantity
10	50	23	Cone	<b>365D3731</b>	1 Each	<b>365RN372</b>	2 Pack
		26	Cone	<b>365D1841</b>	1 Each	<b>365RN362</b>	2 Pack

### Fixed Needle, Gas Tight Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Cat. No.	Quantity
10	50	23	Cone	<b>365D2976</b>	6 Pack
		26	Cone	<b>365D2977</b>	1 Each
		23	Cone	<b>365D3741</b>	1 Each
25	50	23	Cone	<b>365F3761</b>	1 Each
100	50	23	Cone	<b>365H3771</b>	1 Each
250	50	26	Cone	<b>365H6700</b>	1 Each
1000	50	26	Side Hole	<b>365K8135</b>	1 Each
2500	50	26	Side Hole	<b>365L8635</b>	1 Each

### Fixed Needle Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Cat. No.	Quantity
5	50	23	Cone	<b>365C3701</b>	1 Each
		26	Cone	<b>36500505</b>	1 Each
10	50	26	Cone	<b>365D3711</b>	1 Each
		23	Cone	<b>36520060</b>	1 Each
		26	Cone	<b>365D1856</b>	6 Pack
		23	Cone	<b>365D2971</b>	6 Pack

## Manual GC Syringes

## Removable Needle, Gas Tight Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Cat. No.	Quantity	Replacement Needle Cat. No.	Quantity
10	50	26s	Bevel	<b>365D0811</b>	1 Each	<b>365RN215</b>	5 Pack
25	50	25	Bevel	<b>365F1931</b>	1 Each	<b>365RN225</b>	5 Pack
		22s	Blunt End	<b>365FLG31</b>	1 Each	<b>365RNL25</b>	5 Pack
50	50	22s	Blunt End	<b>365GLG41</b>	1 Each	<b>365RNL25</b>	5 Pack
500	50	25	Bevel	<b>365J2881</b>	1 Each	<b>365RN225</b>	5 Pack
		22s	Blunt End	<b>365JLG71</b>	1 Each	<b>365RNL25</b>	5 Pack
1000	50	23	Bevel	<b>365K3041</b>	1 Each	<b>365RN235</b>	5 Pack
		22s	Blunt End	<b>365KLG81</b>	1 Each	<b>365RNL35</b>	5 Pack
5000	50	22	Bevel	<b>365M5212</b>	1 Each	<b>365RN463</b>	2 Pack
		22s	Blunt End	<b>365M6322</b>	1 Each	<b>365RN461</b>	2 Pack
		22s	Side Hole	<b>365M8922</b>	1 Each	<b>365RN465</b>	2 Pack
10000	50	22	Bevel	<b>365N5214</b>	1 Each	<b>365RN463</b>	2 Pack
		22s	Blunt End	<b>365N6323</b>	1 Each	<b>365RN461</b>	2 Pack
		22s	Side Hole	<b>365N8923</b>	1 Each	<b>365RN465</b>	2 Pack

## Removable Needle Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Cat. No.	Quantity	Replacement Needle Cat. No.	Quantity
10	50	26	Bevel	<b>365D1171</b>	1 Each	<b>365RN215</b>	5 Pack
25	50	25	Bevel	<b>365F1901</b>	1 Each	<b>365RN225</b>	5 Pack
50	50	25	Bevel	<b>365G2091</b>	1 Each	<b>365RN225</b>	5 Pack

## Fixed Needle, Gas Tight Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Cat. No.	Quantity
10	50	26	Bevel	<b>365D4433</b>	1 Each
		26s	Blunt End	<b>365D6314</b>	1 Each
25	50	22s	Blunt End	<b>365F6315</b>	1 Each
50	50	25	Bevel	<b>365G2111</b>	1 Each
		22s	Blunt End	<b>365G6316</b>	1 Each
100	50	25	Bevel	<b>365H2321</b>	1 Each
		22s	Blunt End	<b>365H6317</b>	1 Each
250	50	25	Bevel	<b>365I2561</b>	1 Each
500	50	25	Bevel	<b>365J2831</b>	1 Each
		22s	Blunt End	<b>365J6319</b>	1 Each
1000	50	22	Bevel	<b>365K3051</b>	1 Each

## Fixed Needle Syringes

Volume (µL)	Length (mm)	Gauge	Tip Style	Cat. No.	Quantity
5	50	26	Bevel	<b>365C0741</b>	1 Each
		26	Bevel	<b>365C0746</b>	6 Pack
10	50	26	Bevel	<b>365D1091</b>	1 Each
		26	Bevel	<b>365D1096</b>	6 Pack
25	50	25	Bevel	<b>365F1891</b>	1 Each
100	50	25	Bevel	<b>365H2291</b>	1 Each

**PTFE Luer-Lok, Gas Tight Syringes**

Volume (µL)	Cat. No.	Quantity	Needle Cat. No.	Quantity
25	<b>365F7655</b>	1 Each	<b>365RNL22</b>	2 Pack
50	<b>365G7656</b>	1 Each	<b>365RNL22</b>	2 Pack
100	<b>365H7657</b>	1 Each	<b>365RNL22</b>	2 Pack
250	<b>365I7658</b>	1 Each	<b>365RNL22</b>	2 Pack
500	<b>365J7659</b>	1 Each	<b>365RNL22</b>	2 Pack
1000	<b>365KL531</b>	1 Each	<b>365RNL22</b>	2 Pack
2500	<b>365LL541</b>	1 Each	<b>365RNL22</b>	2 Pack
5000	<b>365ML551</b>	1 Each	<b>365RNL22</b>	2 Pack
10000	<b>365NL561</b>	1 Each	<b>365RNL22</b>	2 Pack
25000	<b>365PL571</b>	1 Each	<b>365RNL22</b>	2 Pack

Please note that the Luer-Lok syringes do not come with a needle and therefore the needle part number needs to be ordered separately

**Luer Tip, Gas Tight Syringes**

Volume (µL)	Cat. No.	Quantity
25	<b>365F7812</b>	1 Each
50	<b>365G7813</b>	1 Each
100	<b>365H7814</b>	1 Each
250	<b>365I7815</b>	1 Each
500	<b>365J7816</b>	1 Each
1000	<b>365K7817</b>	1 Each
2500	<b>365L7818</b>	1 Each
5000	<b>365M7819</b>	1 Each
10000	<b>365N7820</b>	1 Each





# Resources

## for Chromatographers



### Chromatography Resource Center

Our web-based resource center provides technical support, applications, technical tips and literature to help move your separations forward.

Visit [www.thermoscientific.com/chromatography](http://www.thermoscientific.com/chromatography)

### How to order

#### USA and Canada

800 332 3331  
865 354 4616 fax  
[chromatography@thermofisher.com](mailto:chromatography@thermofisher.com)

#### France

+33 (0)1 60 92 48 34  
+33 (0)1 60 92 49 00 fax  
[Consommableslscgcf@thermofisher.com](mailto:Consommableslscgcf@thermofisher.com)

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### Technical Support

**For advice and support,  
please visit our website:**

[www.thermoscientific.com/chromexpert](http://www.thermoscientific.com/chromexpert)

For more information visit: [www.thermoscientific.com/chromatography](http://www.thermoscientific.com/chromatography)

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