

## Disposable Syringes

Luer-Lok™ tips allow for easy connection of syringe filters

Use these latex-free, disposable polycarbonate syringes for your general-purpose applications. Available in either Luer-Lok or slip-tip versions. Autoclavable.



Capacity	Graduations	Type	Qty	Catalog number	Price
<b>Nonsterilized syringes</b>					
1 mL	1/100 mL	Slip tip	100/pk	<a href="#">GY-07944-00</a>	
3 mL	1/10 mL	Luer-Lok	100/pk	<a href="#">GY-07944-02</a>	
		Slip tip		<a href="#">GY-07944-04</a>	
5 mL	1/5 mL	Luer-Lok	100/pk	<a href="#">GY-07944-06</a>	
		Slip tip		<a href="#">GY-07944-08</a>	
10 mL	1/5 mL	Luer-Lok	50/pk	<a href="#">GY-07944-12</a>	
		Slip tip		<a href="#">GY-07944-14</a>	
20 mL	1 mL, 3/4 oz in 1/8 oz	Luer-Lok	25/pk	<a href="#">GY-07944-16</a>	
		Slip tip		<a href="#">GY-07944-18</a>	
30 mL	1 mL, 1 oz in 1/8 oz	Luer-Lok	25/pk	<a href="#">GY-07944-24</a>	
		Slip tip		<a href="#">GY-07944-22</a>	
60 mL	1 mL, 2 oz in 1/4 oz	Luer-Lok	25/pk	<a href="#">GY-07944-28</a>	
		Slip tip		<a href="#">GY-07944-30</a>	
<b>Nonsterilized syringes, bulk pack</b>					
1 mL	1/100 mL	Slip tip	3000/cs	<a href="#">GY-07945-00</a>	
3 mL	1/10 mL	Luer-Lok	1600/cs	<a href="#">GY-07945-02</a>	
		Slip tip		<a href="#">GY-07945-04</a>	
5 mL	1/5 mL	Luer-Lok	1400/cs	<a href="#">GY-07945-06</a>	
		Slip tip		<a href="#">GY-07945-08</a>	
10 mL	1/5 mL	Luer-Lok	850/cs	<a href="#">GY-07945-12</a>	
		Slip tip		<a href="#">GY-07945-14</a>	
20 mL	1 mL, 3/4 oz in 1/8 oz	Luer-Lok	325/cs	<a href="#">GY-07945-16</a>	
		Slip tip		<a href="#">GY-07945-18</a>	
30 mL	1 mL, 1 oz in 1/8 oz	Luer-Lok	225/cs	<a href="#">GY-07945-24</a>	
		Slip tip		<a href="#">GY-07945-22</a>	
60 mL	1 mL, 2 oz in 1/4 oz	Luer-Lok	125/cs	<a href="#">GY-07945-28</a>	
		Slip tip		<a href="#">GY-07945-30</a>	

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## Cole-Parmer® Syringe Filters

Get easy, reliable filtration—just slip on and twist

- Get a secure fit—bidirectional membrane support and luer lock inlet/outlet
- Complete selection on page 280



Membrane type	Applications
Cellulose acetate	Sterilization and clarification of aqueous solutions. Low protein binding.
Nylon	Filtration of organic and aqueous solutions. Low extractables.
PTFE	Sterilization of gases and alcohols; cleaning acids, alkalis, and organic solvents; venting purposes. For aggressive chemicals.

Pore size	Membrane diameter	Housing	Color	Qty/bx	Catalog number	Price/bx
<b>Nonsterile filters, cellulose acetate</b>						
0.22 µm	26 mm	Acrylic	Blue	100	<a href="#">GY-02915-60</a>	
0.45 µm			Clear		<a href="#">GY-02915-58</a>	
0.80 µm			Green		<a href="#">GY-02915-62</a>	
<b>Nonsterile filters, nylon</b>						
0.22 µm	25 mm	PP	Natural	100	<a href="#">GY-02915-16</a>	
0.45 µm					<a href="#">GY-02915-14</a>	
<b>Nonsterile filters, PTFE</b>						
0.20 µm	15 mm	PP	Natural	100	<a href="#">GY-29550-08</a>	
0.45 µm					<a href="#">GY-29550-10</a>	
0.20 µm	25 mm	PP	Natural	100	<a href="#">GY-02915-20</a>	
0.45 µm					<a href="#">GY-02915-22</a>	

## Female Luer-to-Barbed Adapters

Connect syringes securely to liquid lines

- Manufactured from 100% virgin materials and have full lot traceability
- Please refer to our “Fittings” section on pages 301–342 for more options



Description	Nylon			Polycarbonate			Polypropylene			PVDF		
	Qty/pk	Catalog no	Price/pk	Qty/pk	Catalog no	Price/pk	Qty/pk	Catalog no	Price/pk	Qty/pk	Catalog no	Price/pk
Female luer to 1/16" hose barb	25	<a href="#">GY-45502-00</a>		25	<a href="#">GY-45501-00</a>		25	<a href="#">GY-45500-00</a>		25	<a href="#">GY-45512-00</a>	
Female luer to 3/32" hose barb		<a href="#">GY-45502-02</a>		25	<a href="#">GY-45501-02</a>			<a href="#">GY-45500-02</a>			<a href="#">GY-45512-02</a>	
Female luer to 1/8" hose barb		<a href="#">GY-45502-04</a>		25	<a href="#">GY-45501-04</a>			<a href="#">GY-45500-04</a>			<a href="#">GY-45512-04</a>	
Female luer to 5/32" hose barb		<a href="#">GY-45502-06</a>		25	<a href="#">GY-45501-06</a>			<a href="#">GY-45500-06</a>			<a href="#">GY-45512-06</a>	
Female luer to 3/16" hose barb		<a href="#">GY-45502-08</a>		25	<a href="#">GY-45501-08</a>			<a href="#">GY-45500-08</a>			<a href="#">GY-45512-08</a>	
Female luer to 1/4" hose barb		<a href="#">GY-45502-20</a>		25	<a href="#">GY-45501-20</a>			<a href="#">GY-45500-20</a>			—	

**Wait!**

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Browse 100,000+ products plus find **Technical Resources** to help you choose

## High-Performance Micro and Macro Syringes

### Gas- and liquid-tight up to 200 psi!

Syringes handle corrosive gases and liquids, radioactive materials, and sterile solutions—ideal for gas and liquid chromatography. Sample loss is negligible at pressures up to 200 psi, depending on bore diameter.

These chemically inert syringes have PTFE-coated plungers (50- and 100- $\mu$ L models have stainless steel plunger with removable PTFE tip). Barrels and plungers are interchangeable within each syringe size, allowing field repair.

**Cemented Needle Syringes** include an epoxy-cemented, 304 stainless steel needle with noncoring tip. Not for use at temperatures above 122°F (50°C).

**Removable Needle Syringes** use a threaded hub and PTFE sealing ferrule that can be tightened to compensate for wear. Syringes include a 304 stainless steel needle with noncoring tip. Do not heat above 239°F (115°C); autoclavable when disassembled.



Micro syringe 07939-02 with cemented needle

Macro syringe 07939-63 with removable needle

**Syringes with Luer Tip and PTFE Luer-Lok™ Connections** feature a ground glass, luer taper. Autoclavable if plunger is removed. Needles are not included; order separately on page 905.

#### Micro Syringes

Syringes		Needles		Catalog number	Price/ea
Capacity	Type	Gauge†	Tip type		
10 $\mu$ L	Cemented needle	26s	Noncoring beveled	<a href="#">GY-07939-00</a>	
	Removable needle			<a href="#">GY-07939-10</a>	
	Luer tip†			<a href="#">GY-07939-20</a>	
25 $\mu$ L	Cemented needle	22s	Noncoring beveled	<a href="#">GY-07939-01</a>	
	Removable needle			<a href="#">GY-07939-11</a>	
	Luer tip†			<a href="#">GY-07939-21</a>	
50 $\mu$ L	Cemented needle	22s	Noncoring beveled	<a href="#">GY-07939-02</a>	
	Removable needle			<a href="#">GY-07939-12</a>	
	Luer tip†			<a href="#">GY-07939-22</a>	
	PTFE luer-lock†			<a href="#">GY-07939-32</a>	
100 $\mu$ L	Cemented needle	22s	Noncoring beveled	<a href="#">GY-07939-03</a>	
	Removable needle			<a href="#">GY-07939-13</a>	
	Luer tip†			<a href="#">GY-07939-23</a>	
	PTFE luer-lock†			<a href="#">GY-07939-33</a>	
250 $\mu$ L	Cemented needle	22s	Noncoring beveled	<a href="#">GY-07939-04</a>	
	Removable needle			<a href="#">GY-07939-14</a>	
	Luer tip†			<a href="#">GY-07939-24</a>	
	PTFE luer-lock†			<a href="#">GY-07939-34</a>	
500 $\mu$ L	Cemented needle	22	Noncoring beveled	<a href="#">GY-07939-05</a>	
	Removable needle			<a href="#">GY-07939-15</a>	
	Luer tip†			<a href="#">GY-07939-25</a>	
	PTFE luer-lock†			<a href="#">GY-07939-35</a>	

†Luer tip and luer-lock syringes do not include a needle; order separately on page 905.

‡An "s" denotes "small bore"—reduces dead volume and improves transfer accuracy.

#### Macro Syringes

Syringes		Needles		Catalog number	Price/ea
Capacity	Type	Gauge	Tip type		
1.0 mL	Cemented needle	22	Noncoring beveled	<a href="#">GY-07939-50</a>	
	Removable needle			<a href="#">GY-07939-60</a>	
	Luer tip††			<a href="#">GY-07939-70</a>	
	PTFE luer-lock††			<a href="#">GY-07939-80</a>	
1.25 mL	Cemented needle	22	Noncoring beveled	<a href="#">GY-07939-51</a>	
	Luer tip††			<a href="#">GY-07939-71</a>	
2.5 mL	Cemented needle	22	Noncoring beveled	<a href="#">GY-07939-52</a>	
	Removable needle			<a href="#">GY-07939-62</a>	
	Luer tip††			<a href="#">GY-07939-72</a>	
	PTFE luer-lock††			<a href="#">GY-07939-82</a>	
5 mL	Cemented needle	22	Noncoring beveled	<a href="#">GY-07939-53</a>	
	Removable needle			<a href="#">GY-07939-63</a>	
	Luer tip††			<a href="#">GY-07939-73</a>	
	PTFE luer-lock††			<a href="#">GY-07939-83</a>	
10 mL	Cemented needle	22	Noncoring beveled	<a href="#">GY-07939-54</a>	
	Removable needle			<a href="#">GY-07939-64</a>	
	Luer tip††			<a href="#">GY-07939-74</a>	
	PTFE luer-lock††			<a href="#">GY-07939-84</a>	
25 mL	PTFE luer-lock††	—	—	<a href="#">GY-07939-85</a>	
50 mL	PTFE luer-lock††	—	—	<a href="#">GY-07939-86</a>	

††Luer tip and luer-lock syringes do not include a needle; order separately on page 905.

## Microliter® Low-Volume Syringes with Needle

### Minute, accurate transfers—even for volatile liquids!

These positive displacement syringes enable accurate aspiration and dispensing of problematic liquids—down to 0.5  $\mu$ L. The plunger couples to a tungsten wire inside the needle, eliminating dead volume. The entire aliquot is drawn into the needle. Stainless steel needles have a 90° blunt end tip for HPLC injections and pipetting.



Syringes		Needles		Catalog number	Price/ea	Replacement kits	
Capacity	Type	Gauge	Tip type			Catalog number	Price
0.5 $\mu$ L	Removable needle	25	90° blunt end	<a href="#">GY-07938-60</a>		<a href="#">GY-07938-65</a>	
1.0 $\mu$ L		25		<a href="#">GY-07938-61</a>		<a href="#">GY-07938-66</a>	
2.0 $\mu$ L		25		<a href="#">GY-07938-62</a>		<a href="#">GY-07938-67</a>	
5.0 $\mu$ L		24		<a href="#">GY-07938-63</a>		<a href="#">GY-07938-68</a>	

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# Standard Microliter® Syringes

## Provide precise liquid delivery—from 10 to 500 µL

**Syringes with Cemented and Removable needles** include a 304 stainless steel needle with a noncoring beveled tip—ideal for septum penetration in all chromatographic techniques. If you use large numbers of syringes, choose one of our convenient “economy packs” containing six 10-µL syringes with cemented or removable needles. Each pack is in a protective storage container and includes a set of adhesive-backed numbers for syringe identification.



**Syringes with Luer Tip Connections** do not include a needle; order needles separately below.

Syringes		Needles		Catalog number	Price/ea	Economy packs	
Capacity	Type	Gauge†	Tip type			Catalog number	Price/pk of 6
10 µL	Cemented needle	26s	Noncoring beveled	<a href="#">GY-07938-00</a>		<a href="#">GY-07938-30</a>	
	Removable needle			<a href="#">GY-07938-10</a>		<a href="#">GY-07938-40</a>	
25 µL	Cemented needle	22s	Noncoring beveled	<a href="#">GY-07938-01</a>		—	
	Removable needle			<a href="#">GY-07938-11</a>		—	
	Luer tip†			<a href="#">GY-07938-21</a>		—	
50 µL	Cemented needle	22s	Noncoring beveled	<a href="#">GY-07938-02</a>		—	
	Removable needle			<a href="#">GY-07938-12</a>		—	
	Luer tip†			<a href="#">GY-07938-22</a>		—	
100 µL	Cemented needle	22s	Noncoring beveled	<a href="#">GY-07938-03</a>		—	
	Removable needle			<a href="#">GY-07938-13</a>		—	
	Luer tip†			<a href="#">GY-07938-23</a>		—	
250 µL	Cemented needle	22s	Noncoring beveled	<a href="#">GY-07938-04</a>		—	
	Removable needle			<a href="#">GY-07938-14</a>		—	
	Luer tip†			<a href="#">GY-07938-24</a>		—	
500 µL	Cemented needle	22s	Noncoring beveled	<a href="#">GY-07938-05</a>		—	
	Removable needle			<a href="#">GY-07938-15</a>		—	
	Luer tip†			<a href="#">GY-07938-25</a>		—	

†Luer tip syringes do not include a needle; order separately below.

†An “s” denotes “small bore”—reduces dead volume and provides impedance to improve transfer accuracy.

## Syringe Needles

### Ideal for chromatography and general use

All needles are made of stainless steel. The noncoring deflected tips are used for septum piercing applications such as gas chromatography. The 90° blunt end tips are used for HPLC injections and pipetting. The noncoring conical needle with side port is ideal for penetration of septa, thin-gauged vinyls and plastics.

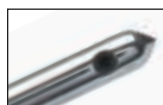
Gauge†	Tip type	Qty/pk	Catalog number	Price/pk
<b>Removable-type needles</b> (for volumes from 0.5 µL to 100 µL)				
26s	Noncoring	6	<a href="#">GY-07938-83</a>	
26s	90° blunt end	6	<a href="#">GY-25702-60</a>	
26s	Conical	6	<a href="#">GY-25703-80</a>	
22s	Conical	6	<a href="#">GY-25703-81</a>	
22s	Noncoring	6	<a href="#">GY-07938-84</a>	
22s	90° blunt end	6	<a href="#">GY-25702-61</a>	
22			<a href="#">GY-25702-62</a>	
<b>Removable-type needles</b> (for volumes from 250 µL to 10 mL)				
26s	Conical	6	<a href="#">GY-25703-82</a>	
22s	Conical	6	<a href="#">GY-25703-83</a>	
22s	Noncoring	6	<a href="#">GY-07938-85</a>	
22			<a href="#">GY-07938-86</a>	
22s	90° blunt end	6	<a href="#">GY-25702-63</a>	
22			<a href="#">GY-25702-64</a>	
<b>Luer tip and luer-lock hypodermic needles</b> (with PCTFE hub)				
26s	Noncoring	6	<a href="#">GY-07938-95</a>	
26			<a href="#">GY-07938-96</a>	
26s	Conical	6	<a href="#">GY-25703-84</a>	
26			<a href="#">GY-25703-85</a>	
22s	Noncoring	6	<a href="#">GY-07938-97</a>	
22			<a href="#">GY-07938-98</a>	
22s	Conical	6	<a href="#">GY-25703-86</a>	
22			<a href="#">GY-25703-87</a>	



Noncoring deflected



90° Blunt end



Noncoring conical

†An “s” denotes “small bore”—reduces dead volume and provides impedance to improve transfer accuracy.

## Chaney Adapters

These Chaney adapters ensure reproducibility of better than ±1%; use when injections of identical volumes are required. Order the adapter that fits your syringe size.

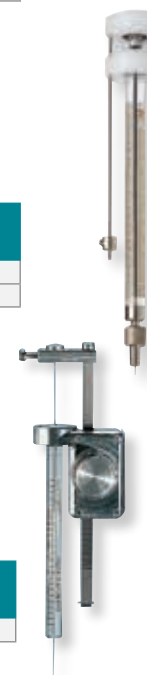
For syringe size	Catalog number	Price
10 µL volume	<a href="#">GY-07938-80</a>	
25 to 500 µL volumes	<a href="#">GY-07938-81</a>	



## Syringe Guides

Use these guides to prevent the syringe plunger from bending or being pulled out of your small-bore syringe.

For syringe size	Catalog number	Price
10 µL volume	<a href="#">GY-07938-75</a>	
25 to 500 µL volumes	<a href="#">GY-07938-76</a>	



## Repeating Dispenser

Repeating dispenser delivers 1/50 of total syringe volume with each actuation.

For syringe size	Catalog number	Price
25 µL to 2.5 mL volumes	<a href="#">GY-07939-95</a>	

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## Syringes

## Cole-Parmer® Stainless Steel Syringes

### Stand up to pressure

- Syringes fit most syringe pumps
- Made from top quality 316 stainless steel—provides superior chemical resistance
- Designed to handle demanding applications with higher pressures

Stainless steel offers good resistance to most aggressive liquids. Wetted parts are 316 stainless steel and Viton®. Genuine Swagelock® and luer lock end fittings are available. All tips are interchangeable with all syringes (20 to 200 mL) in the series.



Capacity	Syringes with 1/16" Swagelock tip		Syringes with 1/8" Swagelock tip		Syringes with 1/4" Swagelock tip		Syringes with luer lock tip	
	Catalog number	Price	Catalog number	Price	Catalog number	Price	Catalog number	Price
2.5 mL	<a href="#">GY-74044-00</a>		—		—		—	
8 mL	<a href="#">GY-74044-10</a>		<a href="#">GY-74044-12</a>		—		—	
20 mL	<a href="#">GY-74044-20</a>		<a href="#">GY-74044-22</a>		<a href="#">GY-74044-24</a>		<a href="#">GY-74044-26</a>	
50 mL	<a href="#">GY-74044-30</a>		<a href="#">GY-74044-32</a>		<a href="#">GY-74044-34</a>		<a href="#">GY-74044-36</a>	
100 mL	<a href="#">GY-74044-40</a>		<a href="#">GY-74044-42</a>		<a href="#">GY-74044-44</a>		<a href="#">GY-74044-46</a>	
200 mL	<a href="#">GY-74044-50</a>		<a href="#">GY-74044-52</a>		<a href="#">GY-74044-54</a>		<a href="#">GY-74044-56</a>	

## Syringe Cleaning Accessories

### Syringe Cleaner

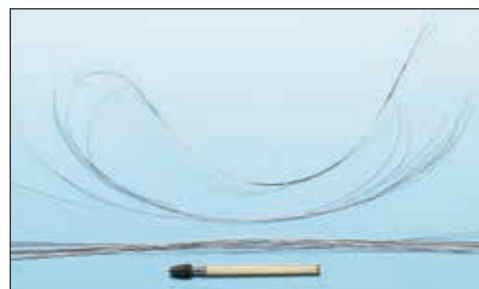
Eliminate cross-contamination and peak ghosting. Vaporize hard-to-clean needle residues quickly and easily. Syringe cleaner helps ensure the integrity of your analysis with a 250°C cleaning that requires only 30 seconds and a few pumps of the syringe plunger. Thermostatically controlled unit accepts needles up to 1 mm in diameter and 100 mm long. A vacuum source hookup is recommended for proper operation.



Power	Catalog number	Price
120 VAC	<a href="#">GY-39006-10</a>	
220 VAC	<a href="#">GY-39006-12</a>	

### Fine-Wire Cleaning Kit

Use this kit to clean syringes, needles, and more. Contains a pin vise and 30 stainless steel wires, ten each of the following sizes: 0.15-, 0.25-, and 0.50-mm.



Description	Catalog number	Price
Fine wire cleaning kit	<a href="#">GY-34650-00</a>	

### Needle Cleaning Kit

Cleaning kit includes 70 mL of cleaning solution and six tubes of assorted cleaning wires.



Description	Catalog number	Price
Needle cleaning kit	<a href="#">GY-07938-74</a>	