

Шприцы

Описание

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Псков (8112)59-10-37
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Becton Dickinson Plastic Syringes

Becton Dickinson Plastic Syringes

Item No.	Description
59-8377	Becton Dickinson syringe, 3 cc, 200 per box
59-8378	Becton Dickinson syringe, 5 cc, 125 per box
59-8379	Becton Dickinson syringe, 10 cc, 200 per box, packaged in strips of 5 syringes
59-8380	Becton Dickinson syringe, 20 cc, 48 per box
59-8381	Becton Dickinson syringe, 30 cc, 56 per box
59-8382	Becton Dickinson syringe, 50 ml, 40 per box



DETAILS

Becton Dickinson Plastic Syringes. Individually packaged sterile syringes with a standard Luer lock connector

Needle Cleaning Kit

Fine gauge tungsten wires used to clear plugged needles. Biodegradable cleaning solutions are used to remove residues from syringe needles and barrels. All cleaning wires are 7 inches long and are sold in a package of 10. Cleaning concentrate is sold separately.

Item No.	Description
72-1872	All Cleaning Wires and 70 ml of Cleaning Concentrate
72-1880	Cleaning Concentrate, 500 ml
72-1878	Needle Cleaning Kit for 22 and 23 Gauge Needles, Wire Size 0.3066 mm (0.01207 in)
72-1875	Needle Cleaning Kit for 22s, 25s, and 28 to 30 Gauge Needles, Wire Size 0.1262 mm (0.00497 in)
72-1874	Needle Cleaning Kit for 26s, and 31 to 33 Gauge Needles, Wire Size 0.0889 mm (0.00350 in)
72-1873	Needle Cleaning Kit for 23s, 26s, and 31 to 33 Gauge Needles, Wire Size 0.0762 mm (0.00300 in)



DETAILS

Fine gauge tungsten wires used to clear plugged needles. Biodegradable cleaning solutions are used to remove residues from syringe needles and barrels. All cleaning wires are 7 inches long and are sold in a package of 10. Cleaning concentrate is sold separately.

SPECIFICATIONS

Specifications	72-1872	72-1880	72-1879	72-1878	72-1877	72-1876	72-1875	72-1874	72-1873
Length (inches)	NA	NA	NA	7 inches	7 inches	7 inches	7 inches	7 inches	7 inches
Volume	70 ml	500 ml	70 ml	NA	NA	NA	NA	NA	NA

Specifications	72- 1872	72- 1880	72- 1879	72- 1878	72- 1877	72- 1876	72-1875	72- 1874	72- 1873
Wire Size OD (inches)	NA	NA	NA	0.01207 in	0.00815 in	0.00659 in	0.00497 in	0.0035 in	0.003 in
Wire Size OD (mm)	NA	NA	NA	0.3066 mm	0.2070 mm	0.1674 mm	0.1262 mm	0.0889 mm	0.0762 mm
Works With Needle Gauges	NA	NA	NA	22, 23	24 to 26	27	22s, 25s, 28 to 30	26s, 31 to 33	23s, 26s, 31 to 33

Cadence Glass Syringes

Standard glass syringes with luer lock tips. The barrels and plungers of the same-sized syringes are interchangeable. Syringes supplied individually. Not for use in clinical applications.

Item No.	Description
75-1010	5 cc / 5 ml Cadence Glass Syringe
75-1011	10 cc / 10 ml Cadence Glass Syringe
75-1012	30 cc / 30 ml Cadence Glass Syringe
75-1013	50 cc / 50 ml Cadence Glass Syringe
75-1014	100 cc / 100 ml Cadence Glass Syringe



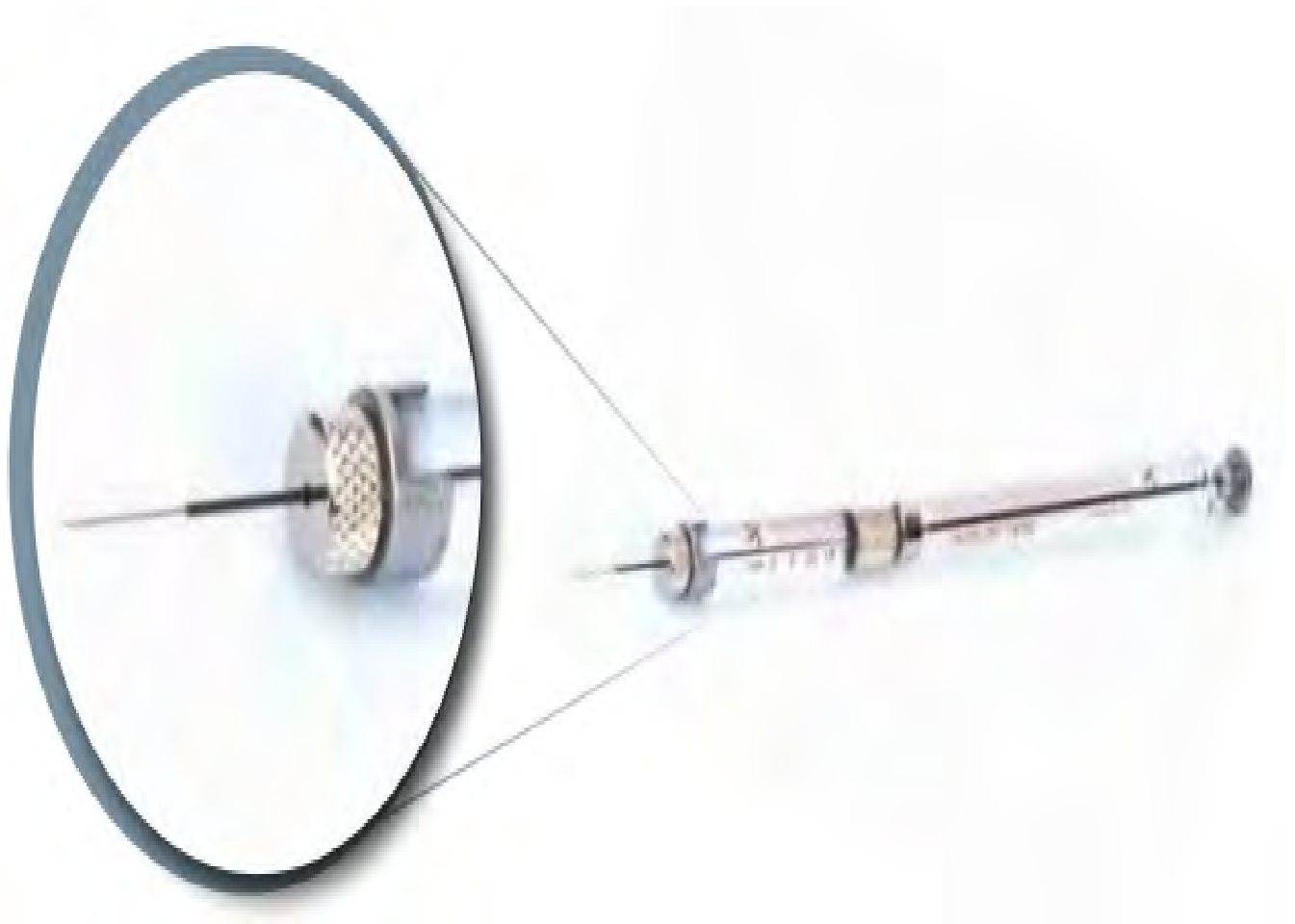
DETAILS

Standard glass syringes with luer lock tips. The barrels and plungers of the same-sized syringes are interchangeable. Syringes supplied individually. Not for use in clinical applications.

Neuros™ Syringes

Syringe sizes from 0.5 to 100 µl available. Replaceable ultrafine blunt point needles.

Item No.	Description
75-0015	0.5 µl Neuros 7000 Series KH Syringe
75-0016	1.0 µl Neuros 7000 Series KH Syringe
75-0017	2.0 µl Neuros 7000 Series KH Syringe
75-0018	5.0 µl, Model 75 RN Neuros Syringe
75-0019	10 µl 1700 Series RN Syringe and Neuros Adapter Kit
75-0020	25 µl 1700 Series RN Syringe and Neuros Adapter Kit
75-0022	100 µl 1700 Series RN Syringe and Neuros Adapter Kit
75-0024	Neuros Replacement Needle, 33 gauge, Small Hub RN Needle, 3.03 in, point style 3, 6/pk



DETAILS

Hamilton Neuros™ syringe technology provides unprecedented functionality for controlled animal injections. The Neuros accurately dispenses volumes between 50 nl to 100 µl through an ultrafine needle with a blunt point (point style 3).

- Accurately dispenses 50 nl to 100 µl of liquid to an exact location
- Maintains rigidity and creates the smallest injection site possible
- Little to no dead volume which eliminates sample loss and saves money
- Two sleeve options – one with a blind stop for cannulated animals and another without for stereotaxic holders
- Adjustable needle exposure of 0 to 20 mm gives you full control
- Compatibility with most stereotaxic holders and infusion pumps means an easy integration into your process

Developed specifically for neuroscience applications, the Neuros syringe enables the delivery of microvolumes to an exact location while minimizing injection site damage. Neuros syringes come with two types of protective needle sleeves. The sleeve with a blind stop is perfect for cannulated applications

and ensures targeted administration with an adjustable penetration depth. The version without a blind stop works best with stereotaxic holders. Both types provide an adjustable needle exposure of 0 to 20 mm. These new Neuros™ Syringes are compatible with Harvard Apparatus syringe pumps.

Microdialysis Syringes and Syringe Accessories

Microdialysis Syringes and Accessories

Microsyringes are available in 1, 2.5, 5 and 10 mL sizes.

Item No.	Description
CMA8309020	Microsyringe 1 mL Gastight
CMA8309021	Microsyringe 2.5 mL Gastight
CMA8309022	Microsyringe 5.0 mL Gastight
CMA8309023	Microsyringe 10.0 mL Gastight
CMA3408310	Syringe Clip, Medium, for 1 mL and 2.5 mL Microsyringes
CMA3408320	Syringe Clip, Large, for 5 mL and 10 mL Microsyringes
CMA7431083	Replacement Needles for 1 mL and 2.5 mL Microsyringes, pkg. of 5
CMA7433015	Replacement PTFE Syringe Plunger Tips for 1 mL Microsyringe, pkg. of 5
CMA7433016	Replacement PTFE Syringe Plunger Tips for 2.5 mL Microsyringe, pkg. of 5
CMA7000043	Micro T Connector



DETAILS

Microsyringes are available in 1, 2.5, 5 and 10 mL sizes. These glass syringes have a 60 mm piston stroke. Syringe Needles are pretreated to reduce degradation of labile molecules, such as catecholamines and their metabolites during a microdialysis experiment.

The Syringe Clip enables the withdrawal of liquids when using either the CMA 400 or the CMA 402 Syringe Pumps. The clip fastens the syringe plunger to the carriage of the pump.

The Micro T is a three-way connector. Connected to the syringes in the CMA 402 Syringe Pump and a Microdialysis probe, two different perfusion fluids can be combined, even gradually, without introducing air bubbles into the system.

SPECIFICATIONS

Specifications	CMA8309020	CMA8309021	CMA8309022	CMA8309023
Syringe Barrel Material	Borosilicate glass	Borosilicate glass	Borosilicate glass	Borosilicate glass
Barrel Tip/Fluid Path	PTFE	PTFE	PTFE	PTFE
Plunger Material	Ni-Ti alloy with PTFE Tip	Ni-Ti alloy with PTFE Tip	Stainless Steel with PTFE Tip	Stainless Steel with PTFE Tip
Stroke Length	60 mm	60 mm	70 mm	70 mm

RN Adapters

RN Adapters

Item No.	Description
72-1871	Removable (RN) Adapter, RN Hub to Male Luer Lock



DETAILS

Provides connection of Luer fittings to RN syringes > 250 Åµl

SPECIFICATIONS

Specifications	72-1871	72-1870	72-1869
Fitting	RN to Male Luer Lock	RN to Male Luer	RN to Female Luer

Syringe Guides

These Syringe Guides prevent the syringe plunger from bending and features an adjustable stop. For manual (hand held) operation only and works with 700, 1700 and 7000 series syringes.

Item No.	Description
72-1868	Syringe Guide for use with 700 (25 to 500 ul), 1700 (25 to 500 ul), and 7000 (0.5 to 5 ul) Series Hamilton Glass Syringes



DETAILS

These Syringe Guides prevent the syringe plunger from bending and features an adjustable stop. For manual (hand held) operation only and works with 700, 1700 and 7000 series syringes.

SPECIFICATIONS

Specifications	72-1867	72-1868
None, please see item description for syringe guide details.		

Non-Sterile Monoject® Syringes without Needles

These Non-Sterile Monoject® Plastic Syringes can be used for any laboratory application. They are without needles and are available in either boxes or cases.

Item No.	Description
72-2414	35 ml Non-Sterile Monoject® Plastic Syringe without Needle, Luer Tip, case of 100
72-2412	20 ml Non-Sterile Monoject® Plastic Syringe without Needle, Luer Tip, case of 250
72-2408	3 ml Non-Sterile Monoject® Plastic Syringe without Needle, Luer Tip, case of 1000
72-2406	35 ml Non-Sterile Monoject® Plastic Syringe without Needle, Luer Tip, box of 25
72-2405	20 ml Non-Sterile Monoject® Plastic Syringe without Needle, Eccentric Luer Tip, box of 50
72-2404	20 ml Non-Sterile Monoject® Plastic Syringe without Needle, Luer Tip, box of 50
72-2402	12 ml Non-Sterile Monoject® Plastic Syringe without Needle, Luer Tip, box of 100
72-2401	6 ml Non-Sterile Monoject® Plastic Syringe without Needle, Luer Tip, box of 100
72-2400	3 ml Non-Sterile Monoject® Plastic Syringe without Needle, Luer Tip, box of 250



DETAILS

These Non-Sterile Monoject® Plastic Syringes can be used for any laboratory application. They are without needles and are available in either boxes or cases.

SPECIFICATIONS

Specifications	72- 2415	72- 2414	72-2413	72- 2412	72-2411	72- 2410	72- 2409	72- 2408	72- 2406	72- 2405	72- 2404	72- 2403	72- 2402	72- 2401	72- 2400
Termination Type	Luer	Luer	Eccentric Luer	Luer	Eccentric Luer	Luer	Luer	Luer	Luer	Eccentric Luer	Luer	Eccentric Luer	Luer	Luer	Luer
Volume	60 ml	35 ml	20 ml	20 ml	12 ml	12 ml	6 ml	3 ml	35 ml	20 ml	20 ml	12 ml	12 ml	6 ml	3 ml

Single Use Monoject® Syringes

These syringes feature a new resin which provides greater clarity while still possessing all the same functional characteristics and biocompatibility requirements as traditional polypropylene syringes. They are packaged either Sterile or Non-Sterile. Rigid pack syringes feature a tamper-evident heat stake. There are five different syringe tip styles from which to choose.

Item No.	Description
72-2419	0.3 cc Single Use Monoject [®] Plastic Syringe, 29 Gauge, 0.5 inch Permanent Needle, Blister Pack, box of 100
72-2420	0.3 cc Single Use Monoject [®] Plastic Syringe, 29 G, 0.5 inch Permanent Needle, Rigid Pack with Safety Shield, box of 100
72-2421	0.5 cc Single Use Monoject [®] Plastic Syringe, 28 G, 0.5 inch Permanent Needle, Rigid Pack, box of 100
72-2422	0.5 cc Single Use Monoject [®] Plastic Syringe, 28 Gauge, 0.5 inch Permanent Needle, Blister Pack, box of 100
72-2424	0.5 cc Single Use Monoject [®] Plastic Syringe, 29 Gauge, 0.5 inch Permanent Needle, Blister Pack, box of 100
72-2427	1 cc Single Use Monoject [®] Plastic Syringe, 25 Gauge, 0.625 inch Permanent Needle, Rigid Pack, box of 100
72-2429	1 cc Single Use Monoject [®] Plastic Syringe, 26 Gauge, 0.375 inch Detachable Needle, Rigid Pack, box of 100
72-2430	1 cc Single Use Monoject [®] Plastic Syringe, 27 Gauge, 0.5 inch Detachable Needle, Rigid Pack, box of 100

Item No.	Description
72-2435	1 cc Single Use Monoject [®] Plastic Syringe, 29 Gauge, 0.5 inch Permanent Needle, Blister Pack, box of 100
72-2436	1 cc Single Use Monoject [®] Plastic Syringe, 29 Gauge, 0.5 inch Permanent Needle, Rigid Pack with Safety Shield, box of 100
72-2437	0.3 cc Single Use Monoject [®] Plastic Syringe, 29 Gauge, 0.5 inch Permanent Needle, Blister Pack, box of 300
72-2442	0.5 cc Single Use Monoject [®] Plastic Syringe, 29 Gauge, 0.5 inch Permanent Needle, Blister Pack, box of 300



DETAILS

These syringes feature a new resin which provides greater clarity while still possessing all the same functional characteristics and biocompatibility requirements as traditional polypropylene syringes. They are packaged either Sterile or Non-Sterile. Rigid pack syringes feature a tamper-evident heat stake. There are five different syringe tip styles from which to choose.

SPECIFICATIONS

[illegible][illegible]

Sterile Monoject® Syringes without Needles

These Sterile Monoject® Plastic Syringes can be used for any laboratory application. They come individually wrapped, without needles and are available in either boxes or cases.

Item No.	Description
72-2395	60 ml Sterile Monoject[®] Plastic Syringe without Needle, Luer Lock Tip, case of 100
72-2389	20 ml Sterile Monoject[®] Plastic Syringe without Needle, Eccentric Luer Tip, case of 300
72-2388	20 ml Sterile Monoject[®] Plastic Syringe without Needle, Luer Lock Tip, case of 300
72-2383	6 ml Sterile Monoject[®] Plastic Syringe without Needle, Luer Lock Tip, case of 500
72-2380	1 ml Sterile Monoject[®] Plastic Syringe without Needle, Luer Tip, case of 500
72-2377	60 ml Sterile Monoject[®] Plastic Syringe without Needle, Catheter Tip, box of 20
72-2376	60 ml Sterile Monoject[®] Plastic Syringe without Needle, Eccentric Luer Tip, box of 20
72-2375	60 ml Sterile Monoject[®] Plastic Syringe without Needle, Luer Lock Tip, box of 20
72-2374	60 ml Sterile Monoject[®] Plastic Syringe without Needle, Luer Tip, box of 20
72-2372	35 ml Sterile Monoject[®] Plastic Syringe without Needle, Eccentric Luer Tip, box of 30
72-2371	35 ml Sterile Monoject[®] Plastic Syringe without Needle, Luer Lock Tip, box of 30
72-2370	35 ml Sterile Monoject[®] Plastic Syringe without Needle, Luer Tip, box of 30
72-2368	20 ml Sterile Monoject[®] Plastic Syringe without Needle, Luer Lock Tip, box of 50
72-2367	20 ml Sterile Monoject[®] Plastic Syringe without Needle, Luer Tip, box of 50
72-2365	12 ml Sterile Monoject[®] Plastic Syringe without Needle, Luer Lock Tip, box of 80

Item No.	Description
72-2364	12 ml Sterile Monoject [®] Plastic Syringe without Needle, Luer Tip, box of 80
72-2363	6 ml Sterile Monoject [®] Plastic Syringe without Needle, Luer Lock Tip, box of 50
72-2362	6 ml Sterile Monoject [®] Plastic Syringe without Needle, Luer Tip, box of 50
72-2361	3 ml Sterile Monoject [®] Plastic Syringe without Needle, Luer Tip, box of 100
72-2360	1 ml Sterile Monoject [®] Plastic Syringe without Needle, Luer Tip, box of 100
72-2359	1 ml Sterile Monoject [®] Plastic Syringe without Needle, Luer Tip (Long Barrel), box of 100



DETAILS

These Sterile Monoject[®] Plastic Syringes can be used for any laboratory application. They come individually wrapped, without needles and are available in either boxes or cases.

SPECIFICATIONS

[illegible]

Termination Type	Too mey	Cat het er	Ecc entri c Lu er	Luer Lock	Luer	Cat het er	Ecc entri c Lu er	Lue r Lock	Luer	Ecc entri c Lu er	Luer Lock	Luer	Ecc entri c Lu er	Luer Lock	Luer	Luer	Luer	Luer (Lon g Barrel)	Too mey	Cat het er	Ecc entri c Lu er	Luer Lock	Luer	Cat het er	Ecc entri c Lu er	Lue r Lock	Luer	Ecc entri c Lu er	Luer Lock	Luer	Ecc entri c Lu er	Luer Lock	Luer	Luer Lock	Luer	Luer (Lon g Barrel)				
Volume	60 ml	60 ml	60 ml	60 ml	60 ml	35 ml	35 ml	35 ml	35 ml	20 ml	20 ml	20 ml	12 ml	12 ml	12 ml	6 ml	6 ml	2 ml	1 ml	1 ml	60 ml	60 ml	60 ml	60 ml	60 ml	35 ml	35 ml	35 ml	35 ml	20 ml	20 ml	20 ml	12 ml	12 ml	12 ml	6 ml	6 ml	2 ml	1 ml	1 ml

700 Series Syringes

Economical Microliter Syringes. Barrels and plungers are NOT interchangeable or replaceable. Syringe sizes from 5 to 500 Åpl available.

Item No.	Description
72-1717	5 ul 700 Series Hamilton Glass Syringe, RN Termination, Point Style 2, 26s Gauge
72-1822	5 ul 700 Series Hamilton Glass Syringe, RN Termination, Point Style 3, 32 Gauge
72-1718	10 ul 700 Series Hamilton Glass Syringe, RN Termination, Point Style 2, 26s Gauge
72-1823	10 ul 700 Series Hamilton Glass Syringe, RN Termination, Point Style 3, 32 Gauge
72-1719	25 ul 700 Series Hamilton Glass Syringe, RN Termination, Point Style 2, 22s Gauge
72-1720	50 ul 700 Series Hamilton Glass Syringe, RN Termination, Point Style 2, 22s Gauge
72-1721	100 ul 700 Series Hamilton Glass Syringe, RN Termination, Point Style 2, 22s Gauge
72-1711	10 ul 700 Series Hamilton Glass Syringe, LT Termination
72-1712	25 ul 700 Series Hamilton Glass Syringe, LT Termination
72-1713	50 ul 700 Series Hamilton Glass Syringe, LT Termination
72-1715	250 ul 700 Series Hamilton Glass Syringe, LT Termination
72-1716	500 ul 700 Series Hamilton Glass Syringe, LT Termination



DETAILS

Economical Microliter Syringes. Barrels and plungers are NOT interchangeable or replaceable. Syringe sizes from 5 to 500 µl available.

SPECIFICATIONS

Specifications	72- 1717	72- 1822	72- 1718	72- 1823	72- 1719	72- 1720	72- 1721	72- 1722	72- 1723	72- 1711	72- 1712	72- 1713	72- 1714	72- 1715	72- 1716
Fitting	RN	RN	RN	RN	RN	RN	RN	RN	RN	LT	LT	LT	LT	LT	LT
Gauge	26s	32	26s	32	22s	22s	22s	22s	22	NA	NA	NA	NA	NA	NA
Point Style	2	3	2	3	2	2	2	2	2	NA	NA	NA	NA	NA	NA
Volume	5 ul	5 ul	10 ul	10 ul	25 ul	50 ul	100 ul	250 ul	500 ul	10 ul	25 ul	50 ul	100 ul	250 ul	500 ul

800 Series Syringes

Syringe sizes from 5 to 250 µl available. Reinforced plunger: Replaceable plunger barrel assembly.

Item No.	Description
72-1724	5 ul 800 Series Hamilton Glass Syringe, RN Termination, Point Style 2, 26s Gauge
72-1725	10 ul 800 Series Hamilton Glass Syringe, RN Termination, Point Style 2, 26s Gauge
72-1726	25 ul 800 Series Hamilton Glass Syringe, RN Termination, Point Style 2, 22s Gauge
72-1727	50 ul 800 Series Hamilton Glass Syringe, RN Termination, Point Style 2, 22s Gauge
72-1728	100 ul 800 Series Hamilton Glass Sryinge, RN Termination, Point Style 2, 22s Gauge
72-1729	250 ul 800 Series Hamilton Glass Syringe, RN Termination, Point Style 2, 22s Gauge



DETAILS

Syringe sizes from 5 to 250 µl available. Reinforced plunger: Replaceable plunger barrel assembly.

SPECIFICATIONS

Specifications	72-1724	72-1725	72-1726	72-1727	72-1728	72-1729
Fitting	RN	RN	RN	RN	RN	RN
Gauge	26s	26s	22s	22s	22s	22s
Point Style	2	2	2	2	2	2
Volume	5 ul	10 ul	25 ul	50 ul	100 ul	250 ul

1800 Series Gastight® Syringes

Reinforced, PTFE tipped plungers. Replaceable plungers assembly and needle. Syringe sizes from 10 to 250 µl available.

Item No.	Description
72-1812	10 ul 1800 Series Hamilton Glass Syringe, RN Termination, Point Style 2, 26s Gauge
72-1814	50 ul 1800 Series Hamilton Glass Syringe, RN Termination, Point Style 2, 22s Gauge
72-1816	250 ul 1800 Series Hamilton Glass Syringe, RN Termination, Point Style 2, 22s Gauge



DETAILS

Reinforced, PTFE tipped plungers. Replaceable plungers assembly and needle. Syringe sizes from 10 to 250 Åµl available.

SPECIFICATIONS

Specifications	72-1812	72-1813	72-1814	72-1815	72-1816
Fitting	RN	RN	RN	RN	RN
Gauge	26s	22s	22s	22s	22s
Point Style	2	2	2	2	2
Volume	10 ul	25 ul	50 ul	100 ul	250 ul

7000 Series Syringes

Ultra low volume syringes: 0.5 to 5 µl. No Dead Volume – sample contained entirely in needle. Replaceable syringe barrels and parts. The KH repair kit includes KH needle, KH ferrule, plunger wire and instruction sheet.

Item No.	Description
72-1736	0.5 ul 7000 Series Modified Microliter™ Syringe, KH Termination, Point Style 2, 25 Gauge
72-1737	1 ul 7000 Series Modified Microliter™ Syringe, KH Termination, Point Style 2, 25s Gauge
72-1739	2 ul 7000 Series Modified Microliter™ Syringe, KH Termination, Point Style 2, 25 Gauge
72-1742	0.5 ul 7000 Series Modified Microliter™ Syringe, KH Termination, Point Style 3, 32 Gauge
72-1744	1 ul 7000 Series Modified Microliter™ Syringe, KH Termination, Point Style 3, 25s Gauge
72-1745	1 ul 7000 Series Modified Microliter™ Syringe, KH Termination, Point Style 3, 22s Gauge
72-1746	2 ul 7000 Series Modified Microliter™ Syringe, KH Termination, Point Style 3, 25 Gauge
72-1748	5 ul 7000 Series Modified Microliter™ Syringe, KH Termination, Point Style 3, 24 Gauge



DETAILS

Ultra low volume syringes: 0.5 to 5 μ l. No Dead Volume – sample contained entirely in needle. Replaceable syringe barrels and parts. The KH repair kit includes KH needle, KH ferrule, plunger wire and instruction sheet.

SPECIFICATIONS

Specifications	72- 1736	72- 1737	72- 1738	72- 1739	72- 1740	72- 1741	72- 1742	72- 1743	72- 1744	72- 1745	72- 1746	72- 1747	72- 1748
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Fitting	KH	KH	KH	KH	KH	KH	KH	KH	KH	KH	KH	KH	KH
Volume	0.5 μ l	1 μ l	1 μ l	2 μ l	2 μ l	5 μ l	0.5 μ l	0.5 μ l	1 μ l	1 μ l	2 μ l	2 μ l	5 μ l

7000 Series Syringes Accessories

Ultra low volume syringes: 0.5 to 5 µl. No Dead Volume – sample contained entirely in needle. Replaceable syringe barrels and parts. The KH repair kit includes KH needle, KH ferrule, plunger wire and instruction sheet.

Item No.	Description
72-1757	KH Repair Kit for 7000 Series Modified Microliter™ Syringe 72-1744
72-1759	KH Repair Kit for 7000 Series Modified Microliter™ Syringe 72-1746



DETAILS

Ultra low volume syringes: 0.5 to 5 μ l. No Dead Volume – sample contained entirely in needle. Replaceable syringe barrels and parts. The KH repair kit includes KH needle, KH ferrule, plunger wire and instruction sheet.

SPECIFICATIONS

[illegible]

800 Series Syringe Replacement Parts

Syringe sizes from 5 to 250 µl available. Reinforced plunger: Replaceable plunger barrel assembly.

Item No.

Description

72-1730

Replacement Plunger Barrel Assembly for 72-1724,
5 ul 800 Series Hamilton Glass Syringe, RN
Termination



DETAILS

Syringe sizes from 5 to 250 µl available. Reinforced plunger: Replaceable plunger barrel assembly.

SPECIFICATIONS

Specifications	72- 1730	72- 1731	72- 1732	72- 1733	72- 1734	72- 1735
None, please see item description for replacement barrel assembly details.						

Replacement Removable Needles For Hamilton Glass Syringes

PTFE tipped plungers. Replaceable plungers and needles. Sizes: 10 to 500 Åµl. Replacement needles are sold in packages of 6.

Item No.	Description
72-5743	Replacement Needle Point Style 3, 32 Gauge, pkg of 6 for 72-1822, 72-1823, 72-1824 and 72-1825
72-5744	Replacement Needle Point Style 2, 26s Gauge, pkg of 6 for 72-1717, 72-1718, 72-1724, 72-1725, 72-1768, and 72-1812
72-5745	Repl Needle for Point Style 2, 22s Gauge, pkg of 6 for 72-1719-72-1721; 72-1726-72-1728; 72-1769-72-1771; and 72-1813-72-1815
72-5746	Replacement Needle for Point Style 2, 22s Gauge, pkg of 6 for 72-1722, 72-1729, 72-1772, and 72-1816
72-5751	Replacement Needle Point Style 3, 22s Gauge, pkg of 6 for 72-1774, 72-1775, 72-1776, 72-1777, and 72-1778



DETAILS

PTFE tipped plungers. Replaceable plungers and needles. Sizes: 10 to 500 Åµl. Replacement needles are sold in packages of 6.

SPECIFICATIONS

Specifications	72- 5743	72- 5744	72- 5745	72- 5746	72- 5747	72- 5751	72- 5752	72- 7139
None, please see item description for replacement needle details.								

1700 Series Gastight® Syringes

PTFE tipped plungers. Replaceable plungers and needles. Sizes: 10 to 500 µl.

Item No.	Description
72-1762	10 ul 1700 Series Gastight® Syringe, Luer Tip (LT) Termination, PTFE Tipped Plunger
72-1763	25 ul 1700 Series Gastight® Syringe, Luer Tip (LT) Termination, PTFE Tipped Plunger
72-1765	100 ul 1700 Series Gastight® Syringe, Luer Tip (LT) Termination, PTFE Tipped Plunger
72-1766	250 ul 1700 Series Gastight® Syringe, Luer Tip (LT) Termination, PTFE Tipped Plunger
72-1767	500 ul 1700 Series Gastight® Syringe, Luer Tip (TL) Termination, PTFE Tipped Plunger
72-1824	5 ul 1700 Series Gastight® Syringe, Removable Needle (RN) Termination, Point Style 3, 32 Gauge, PTFE Tipped Plunger
72-1825	10 ul 1700 Series Gastight® Syringe, Removable Needle (RN) Termination, Point Style 3, 32 Gauge, PTFE Tipped Plunger
72-1768	10 ul 1700 Series Gastight® Syringe, Removable Needle (RN) Termination, Point Style 2, 26s Gauge, PTFE Tipped Plunger
72-1769	25 ul 1700 Series Gastight® Syringe, Removable Needle (RN) Termination, Point Style 2, 22s Gauge, PTFE Tipped Plunger

Item No.	Description
72-1771	100 ul 1700 Series Gastight® Syringe, Removable Needle (RN) Termination, Point Style 2, 22s Gauge, PTFE Tipped Plunger
72-1772	250 ul 1700 Series Gastight® Syringe, Removable Needle (RN) Termination, Point Style 2, 22s Gauge, PTFE Tipped Plunger
72-1774	10 ul 1700 Series Gastight® Syringe, Removable Needle (RN) Termination, Point Style 3, 22s Gauge, PTFE Tipped Plunger
72-1776	50 ul 1700 Series Gastight® Syringe, Removable Needle (RN) Termination, Point Style 3, 22s Gauge, PTFE Tipped Plunger
72-1777	100 ul 1700 Series Gastight® Syringe, Removable Needle (RN) Termination, Point Style 3, 22s Gauge, PTFE Tipped Plunger
72-1778	250 ul 1700 Series Gastight® Syringe, Removable Needle (RN) Termination, Point Style 3, 22s Gauge, PTFE Tipped Plunger
72-1781	50 ul 1700 Series Gastight® Syringe, PTFE Luer Lock (TLL) Termination, PTFE Tipped Plunger
72-1782	100 ul 1700 Series Gastight® Syringe, PTFE Luer Lock (TLL) Termination, PTFE Tipped Plunger
72-1783	250 ul 1700 Series Gastight® Syringe, PTFE Luer Lock (TLL) Termination, PTFE Tipped Plunger
72-1784	500 ul 1700 Series Gastight® Syringe, PTFE Luer Lock (TLL) Termination, PTFE Tipped Plunger
72-1780	25 ul 1700 Series Gastight® Syringe, PTFE Luer Lock (TLLX) Termination, PTFE Tipped Plunger with Instrument Stop

Item No.	Description
72-1902	100 ul 1700 Series Gastight® Syringe, PTFE Luer Lock (TLLX) Termination, PTFE Tipped Plunger with Instrument Stop
72-1904	500 ul 1700 Series Gastight® Syringe, PTFE Luer Lock (TLLX) Termination, PTFE Tipped Plunger with Instrument Stop
72-1801	10 ul 1700 Series Gastight® Syringe, Chem Fitting (CX) Termination 1/4-28, PTFE Tipped Plunger with Instrument Stop
72-1803	50 ul 1700 Series Gastight® Syringe, Chem Fitting (CX) Termination 1/4-28, PTFE Tipped Plunger with Instrument Stop
72-1804	100 ul 1700 Series Gastight® Syringe, Chem Fitting (CX) Termination 1/4-28, PTFE Tipped Plunger with Instrument Stop
72-1805	250 ul 1700 Series Gastight® Syringe, Chem Fitting (CX) Termination 1/4-28, PTFE Tipped Plunger with Instrument Stop
72-1806	500 ul 1700 Series Gastight® Syringe, Chem Fitting (CX) Termination 1/4-28, PTFE Tipped Plunger with Instrument Stop



DETAILS

PTFE tipped plungers. Replaceable plungers and needles. Sizes: 10 to 500 µl.

SPECIFICATIONS

72-
Specifications 1762 1763 1764 1765 1766 1767 1824 1825 1768 1769 1771 1772 1773 1774 1775 1776 1777 1778 1781 1782 1783 1784 1780 1901 1902 1903 1904 1801 1802 1803 1804 1805 1806

Fitting	Luer Taper	Luer Taper	Luer Taper	Luer Taper	Luer Taper	Luer Taper	Re mo vab le Nee dle	Re mo vab le Nee dle	Re mo vab le Nee dle	Re mo vab le Nee dle	Re mo vab le Nee dle	Re mo vab le Nee dle	Re mo vab le Nee dle	Re mo vab le Nee dle	Re mo vab le Nee dle	Re mo vab le Nee dle	Re mo vab le Nee dle	Re mo vab le Nee dle	Luer Loc k	Luer Loc k	Luer Loc k	Luer Loc k	Luer Loc k with Inst rument Sto p	Luer Loc k with Inst rument Sto p	Luer Loc k with Inst rument Sto p	Luer Loc k with Inst rument Sto p	Luer Loc k with Inst rument Sto p	Chem Fitti ng wit h Inst rument Sto p	Chem Fitti ng with Inst rument Sto p	Chem Fitti ng with Instr ument Sto p	Chem Fitti ng with Instr ument Sto p	Chem Fitti ng with Instr ument Sto p	Chem Fitti ng with Instr ument Sto p		
	Gauge							32	32	26s	22s	22s	22s	22	22s	22s	22s	22s	22s																
	Point Style							3	3	2	2	2	2	2	2	3	3	3	3	3											1/4-28	1/4-28	1/4-28	1/4-28	1/4-28

72-
Specifications 1762 1763 1764 1765 1766 1767 1824 1825 1768 1769 1771 1772 1773 1774 1775 1776 1777 1778 1781 1782 1783 1784 1780 1901 1902 1903 1904 1801 1802 1803 1804 1805 1806

Volume	10 ul	25 ul	50 ul	100 ul	250 ul	500 ul	5 ul	10 ul	10 ul	25 ul	100 ul	250 ul	500 ul	10 ul	25 ul	50 ul	100 ul	250 ul	50 ul	100 ul	250 ul	500 ul	25 ul	50 ul	100 ul	250 ul	500 ul	10 ul	25 ul	50 ul	100 ul	250 ul	500 ul
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1000 Series Gastight® Syringes

PTFE tipped plungers. Replaceable plungers and needles sizes: 1 to 100 ml, Terminus: LT, TLL, RN, C

Item No.	Description
72-1826	1 ml 1000 Series Gastight[*] Syringe, PTFE Luer Tip (LT) Termination, PTFE Tipped Plunger
72-1828	2.5 ml 1000 Series Gastight[*] Syringe, PTFE Luer Tip (LT) Termination, PTFE Tipped Plunger
72-1829	5 ml 1000 Series Gastight[*] Syringe, PTFE Luer Tip (LT) Termination, PTFE Tipped Plunger
72-1830	10 ml 1000 Series Gastight[*] Syringe, PTFE Luer Tip (LT) Termination, PTFE Tipped Plunger
72-1831	1 ml 1000 Series Gastight[*] Syringe, PTFE Luer Lock (TLL) Termination, PTFE Tipped Plunger
72-1832	2.5 ml 1000 Series Gastight[*] Syringe, PTFE Luer Lock (TLL) Termination, PTFE Tipped Plunger
72-1833	5 ml 1000 Series Gastight[*] Syringe, PTFE Luer Lock (TLL) Termination, PTFE Tipped Plunger
72-1834	10 ml 1000 Series Gastight[*] Syringe, PTFE Luer Lock (TLL) Termination, PTFE Tipped Plunger
72-1835	25 ml 1000 Series Gastight[*] Syringe, PTFE Luer Lock (TLL) Termination, PTFE Tipped Plunger (Please see accessory 55-8000 for withdraw/refill applications.)
72-1836	50 ml 1000 Series Gastight[*] Syringe, PTFE Luer Lock (TLL) Termination, PTFE Tipped Plunger (Please see accessory 55-8000 for withdraw/refill applications.)
72-1837	100 ml 1000 Series Gastight[*] Syringe, PTFE Luer Lock (TLL) Termination, PTFE Tipped Plunger (Please see accessory 55-8000 for withdraw/refill applications.)
72-1838	1 ml 1000 Series Gastight[*] Syringe, Removable Needle (RN) Termination, Point Style 2, 22 Gauge, PTFE Tipped Plunger
72-1839	2.5 ml 1000 Series Gastight[*] Syringe, Removable Needle (RN) Termination, Point Style 2, 22 Gauge, PTFE Tipped Plunger
72-1840	5 ml 1000 Series Gastight[*] Syringe, Removable Needle (RN) Termination, Point Style 2, 22 Gauge, PTFE Tipped Plunger
72-1841	10 ml 1000 Series Gastight[*] Syringe, Removable Needle (RN) Termination, Point Style 2, 22 Gauge, PTFE Tipped Plunger
72-1842	1 ml 1000 Series Gastight[*] Syringe, Chem Fitting (C) Termination, 1/4-28, PTFE Tipped Plunger

Item No.	Description
72-1843	2.5 ml 1000 Series Gastight [®] Syringe, Chem Fitting (C) Termination, 1/4-28, PTFE Tipped Plunger
72-1844	5 ml 1000 Series Gastight [®] Syringe, Chem Fitting (C) Termination, 1/4-28, PTFE Tipped Plunger
72-1845	10 ml 1000 Series Gastight [®] Syringe, Chem Fitting (C) Termination, 1/4-28, PTFE Tipped Plunger
55-8000	Adapter for 25 ml, 50 ml & 100 ml Hamilton GasTight [®] Syringes



DETAILS

PTFE tipped plungers. Replaceable plungers and needles sizes: 1 to 100 ml, Terminus: LT, TLL, RN, C

SPECIFICATIONS

Specifications	72-1826	72-1828	72-1829	72-1830	72-1831	72-1832	72-1833	72-1834	72-1835	72-1836	72-1837	72-1838	72-1839	72-1840	72-1841	72-1842	72-1843	72-1844	72-1845
Fitting	LT	LT	LT	LT	TLL	TLL	TLL	TLL	TLL	TLL	TLL	RN	RN	RN	RN	C	C	C	C
Gauge	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22	22	22	22	1/4-28	1/4-28	1/4-28	1/4-28
Point Style	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	2	2	2	NA	NA	NA	NA
Volume	1 ml	2.5 ml	5 ml	10 ml	1 ml	2.5 ml	5 ml	10 ml	25 ml	50 ml	100 ml	1 ml	2.5 ml	5 ml	10 ml	1 ml	2.5 ml	5 ml	10 ml

1700 Series Gastight® Syringe Replacement Parts

PTFE tipped plungers. Replaceable plungers and needles. Sizes: 10 to 500 µl. Replacement needles are sold in packages of 3.

Item No.	Description
72-1785	Replacement PTFE Tipped Plunger for 10 ul 1700 Series Gastight® Syringe with LT or RN Terminations Only
72-1794	Replacement PTFE Tipped Plunger for 250 ul 1700 Series Gastight® Syringe with RN and TLL Terminations Only
72-1808	Replacement PTFE Tipped Plunger for 50 ul 1700 Series Gastight® Syringe with TLLX and CX Terminations Only
72-1809	Replacement PTFE Tipped Plunger for 100 ul 1700 Series Gastight® Syringe with TLLX and CX Terminations Only



DETAILS

PTFE tipped plungers. Replaceable plungers and needles. Sizes: 10 to 500 µl. Replacement needles are sold in packages of 3.

SPECIFICATIONS

Specifications	72-1785	72-1786	72-1789	72-1792	72-1793	72-1794	72-1810	72-1795	72-1791	72-1808	72-1809	72-1796	72-1906	72-1800	72-1811	72-1797	72-1798	72-1799
Fitting	Luer Taper or Removable Needle only	Luer Taper or Removable Needle only	Luer Taper Only	Removable Needle and Teflon Luer Lock Only	Removable Needle and Teflon	Removable Needle and Teflon	Teflon	Removable Needle and Teflon	Teflon	Teflon	Teflon	Teflon	Chem Fitting with Instrument Stop Only	Teflon	Teflon	Teflon	Teflon	Teflon
Volume	10 ul	25 ul	250 ul	50 ul	100 ul	250 ul	250 ul	500 ul	25 ul	50 ul	100 ul	25 ul	25 ul	500 ul	500 ul	50 ul	100 ul	250 ul

Stainless Steel Syringes

Harvard Apparatus offers a line of Stainless Steel Syringes intended for high pressure applications with good resistance to most aggressive liquids.

Wetted parts are #316 stainless steel or Viton (NOTE: The barrel of the 2.5 ml syringe is #316 stainless steel and the plunger is #400C stainless steel). Syringes are available in 2.5, 8, 20, 50, 100 and 200 ml sizes with removable replaceable tips.

Genuine SWAGELOK[®] syringe to tube fittings are available in 1/16, 1/8 and 1/4 inch sizes. A luer lock end fitting is also available. All tips are interchangeable with all syringes (20 to 200 ml) in the series.

Item No.	Description
70-2251	20 ml Stainless Steel Syringe with 1/16 inch SWAGELOK [®]
70-2252	20 ml Stainless Steel Syringe with 1/8 inch SWAGELOK [®]
70-2253	20 ml Stainless Steel Syringe with 1/4 inch SWAGELOK [®]
70-2254	20 ml Stainless Steel Syringe with Luer Lock
70-2255	50 ml Stainless Steel Syringe with 1/16 inch SWAGELOK [®]
70-2256	50 ml Stainless Steel Syringe with 1/8 inch SWAGELOK [®]
70-2257	50 ml Stainless Steel Syringe with 1/4 inch SWAGELOK [®]
70-2258	50 ml Stainless Steel Syringe with Luer Lock
70-2259	100 ml Stainless Steel Syringe with 1/16 inch SWAGELOK [®]

Item No.	Description
70-2260	100 ml Stainless Steel Syringe with 1/8 inch SWAGELOK [®]
70-2261	100 ml Stainless Steel Syringe with 1/4 inch SWAGELOK [®]
70-2262	100 ml Stainless Steel Syringe with Luer Lock
70-2263	200 ml Stainless Steel Syringe with 1/16 inch SWAGELOK [®]
70-2264	200 ml Stainless Steel Syringe with 1/8 inch SWAGELOK [®]
70-2265	200 ml Stainless Steel Syringe with 1/4 inch SWAGELOK [®]
70-2266	200 ml Stainless Steel Syringe with Luer Lock
70-2267	8 ml Stainless Steel Syringe with 1/16 inch SWAGELOK [®]
70-2268	8 ml Stainless Steel Syringe with 1/8 inch SWAGELOK [®]
70-2269	2.5 ml Stainless Steel Syringe with 1/16 inch SWAGELOK [®] , 1/4 to 28 inch thread



DETAILS

Harvard Apparatus offers a line of Stainless Steel Syringes intended for high pressure applications with good resistance to most aggressive liquids.

Wetted parts are #316 stainless steel or Viton. Syringes are available in 20, 50, 100 and 200 ml sizes with removable replaceable tips. Genuine SWAGELOK® syringe to tube fittings are available in 1/16, 1/8 and 1/4 inch sizes. A luer lock end fitting is also available. All tips are interchangeable with all syringes (20 to 200 ml) in the series.

- 1500 psi peak pressure
- Fits most Harvard pumps
- Electron beam welded
- Fully autoclavable
- 1/16 inch SWAGELOK® fitting for low dead volume

Both syringe barrel and plungers are #316 stainless steel. Most of these syringes are guaranteed to be leak free for pressures up to 700 psi.

(NOTES on the 2.5ml Syringe: For low viscosity fluids, we recommend 70-2267. The barrels of the syringe is #316 stainless steel and the plunger is #400C stainless steel are not recommended for low viscosity fluids, as the risk of leakage is significant).

All syringes are supplied with inside diameter dimensions for use with Harvard microprocessor controlled pumps and rate charts for use with older ‘classic’ pumps. Replacement Viton O-Rings are available, as are the more chemically resistant Chemraz® O-Rings.

SPECIFICATIONS

Specifications	70-2251				70-2255				70-2259				70-2263				70-2267		
	70-2251	70-2252	70-2253	70-2254	70-2255	70-2256	70-2257	70-2258	70-2259	70-2260	70-2261	70-2262	70-2263	70-2264	70-2265	70-2266	70-2267	70-2268	70-2269
Fitting	1/16 inch SWAGEL OK	1/8 inch SWAGEL OK	1/4 inch SWAGEL OK	Luer Lock	1/16 inch SWAGEL OK	1/8 inch SWAGEL OK	1/4 inch SWAGEL OK	Luer Lock	1/16 inch SWAGEL OK	1/8 inch SWAGEL OK	1/4 inch SWAGEL LOK	Luer Lock	1/16 inch SWAGEL OK	1/8 inch SWAGEL OK	1/4 inch SWAGEL OK	Luer Lock	1/16 inch SWAGEL OK	1/8 inch SWAGEL OK	1/16 inch SWAGEL OK
Volume	20 ml	20 ml	20 ml	20 ml	50 ml	50 ml	50 ml	50 ml	100 ml	100 ml	100 ml	100 ml	200 ml	200 ml	200 ml	200 ml	8 ml	8 ml	2.5 ml
Fitting	1/16 inch SWAGEL OK	1/8 inch SWAGEL OK	1/4 inch SWAGEL OK	Luer Lock	1/16 inch SWAGEL OK	1/8 inch SWAGEL OK	1/4 inch SWAGEL OK	Luer Lock	1/16 inch SWAGEL OK	1/8 inch SWAGEL OK	1/4 inch SWAGEL LOK	Luer Lock	1/16 inch SWAGEL OK	1/8 inch SWAGEL OK	1/4 inch SWAGEL OK	Luer Lock	1/16 inch SWAGEL OK	1/8 inch SWAGEL OK	1/16 inch SWAGEL OK

Constant Rate Syringes

Spring-driven plunger injects samples at a constant rate. Incremental volumes are selectable with mm precision. Volumes: 20, 50, 200 μ l

Item No.	Description
72-1856	Constant Rate Syringe, 200 μ l



DETAILS

Spring-driven plunger injects samples at a constant rate. Incremental volumes are selectable with mm precision. Volumes: 20, 50, 200 μ l

SPECIFICATIONS

Specifications	72-1854	72-1855	72-1856
Volume	20 ul	50 ul	200 ul

Stainless Steel Syringe Replacement Parts

This syringe has been designed to utilize the high forces available in our syringe pumps to produce pressures up to 1500 psi. The syringe is constructed entirely of #316 stainless steel with two perfluoroelastomer O-Ring seals and two PTFE O-Ring seals. Select from either a 1/16 inch or 1/8 inch SWAGELOK® end.

Item No.	Description
5013087	Perfluoroelastomer O-Ring, for 8 ml Syringe
5013088	Replacment Backup PTFE O-Ring, 8 ml
5013089	Perfluoroelastomer O-Ring, 20 ml
5013090	Perfluoroelastomer O-Ring, 50 ml
5013091	Perfluoroelastomer O-Ring, 100 ml
5013092	Perfluoroelastomer O-Ring, 200 ml
72-2472	Replacement Viton O-Ring, 20 ml, pkg of 10
72-2473	Replacement Viton O-Ring, 50 ml, pkg of 10
72-2474	Replacement Viton O-Ring, 100 ml, pkg of 10
72-2475	Replacement Viton O-Ring, 200 ml, pkg of 10
72-2616	Replacement Viton Tip Seal O-Ring for 20 ml - 200 ml Stainless Steel Syringes, pkg of 20
72-2617	Stainless Steel Plunger Button to Adapt Syringe for use with PHD 22/2000 HPSI (required for 50 and 100 ml syringes only)

DETAILS

This syringe has been designed to utilize the high forces available in our syringe pumps to produce pressures up to 1500 psi. The syringe is constructed entirely of #316 stainless steel with two perfluoroelastomer O-Ring seals and two PTFE O-Ring seals. Select from either a 1/16 inch or 1/8 inch SWAGELOK® end.

When this syringe is used in the 70-2200 or 70-2201 PHD 4400 Hpsi, pressures in excess of 1500 psi are consistently achieved for chromatography and process control applications.

SPECIFICATIONS

Specifications	5013087	5013088	5013089	5013090	5013091	5013092	72- 2472	72- 2473	72- 2474	72- 2475	72- 2616	72- 2617
Material	Chemraz	PTFE	Chemraz	Chemraz	Chemraz	Chemraz	Viton	Viton	Viton	Viton	Viton	NA
Volume	all sizes	8 ml	20 ml	50 ml	100 ml	200 ml	20 ml	50 ml	100 ml	200 ml	all sizes	50 and 100 ml only

Stainless Steel Syringe Replacement Fittings

Harvard Apparatus offers a line of Stainless Steel Syringes intended for high pressure applications with good resistance to most aggressive liquids. Wetted parts are #316 stainless steel or Viton. Syringes are available in 2.5, 8, 20, 50, 100 and 200 ml sizes with removable replaceable tips.

Genuine SWAGELOK[®] syringe to tube fittings are available in 1/16, 1/8 and 1/4 inch sizes. A luer lock end fitting is also available (20 – 200 ml sizes only). 2.5 ml & 8 ml tips are interchangeable. 20 to 200 ml tips are interchangeable with all (20 to 200 ml) syringes in the series.

Item No.	Description
70-2245	1/8 inch SWAGELOK [®] , with Sealing O-Ring for 2.5 ml & 8 ml Harvard Apparatus Stainless Steel Syringes
70-2246	1/16 inch SWAGELOK [®] , with Sealing O-Ring for 2.5 ml & 8 ml Harvard Apparatus Stainless Steel Syringes
70-2247	1/16 inch SWAGELOK [®] , with Sealing O-Ring for 20 – 200 ml Harvard Apparatus Stainless Steel Syringes
70-2248	1/8 inch SWAGELOK [®] , with Sealing O-Ring for 20 – 200 ml Harvard Apparatus Stainless Steel Syringes
70-2249	1/4 inch SWAGELOK [®] , with Sealing O-Ring for 20 – 200 ml Harvard Apparatus Stainless Steel Syringes
70-2250	Luer Loc, with Sealing O-Ring for 20 – 200 ml Harvard Apparatus Stainless Steel Syringes

DETAILS

Harvard Apparatus offers a line of Stainless Steel Syringes intended for high pressure applications with good resistance to most aggressive liquids. Wetted parts are #316 stainless steel or Viton. Syringes are available in 2.5, 8, 20, 50, 100 and 200ml sizes with removable replaceable tips. Genuine SWAGELOK® syringe to tube fittings are available in 1/16, 1/8 and 1/4 inch sizes. A luer lock end fitting is also available (20 – 200 ml sizes only). 20 to 200ml tips are interchangeable with all syringes (20 to 200 ml) in the series.

- 1500 psi peak pressure
- Fits most Harvard pumps
- Electron beam welded
- Fully autoclavable
- 1/16 inch SWAGELOK® fitting for low dead volume

Both syringe barrel end plungers are #316 stainless steel. A Viton O-ring seal between top and end of the barrel insures against leakage. Syringes are guaranteed to be leak free for pressures up to 700 psi.

All syringes are supplied with inside diameter dimensions for use with Harvard microprocessor controlled pumps and rate charts for use with older ‘classic’ pumps. Replacement Viton O-Rings are available, as are the more chemically resistant Chemraz® O-Rings.

SPECIFICATIONS

Specifications	70-2245	70-2246	70-2247	70-2248	70-2249	70-2250
Fitting	1/8 inch SWAGELOK	1/16 inch SWAGELOK	1/16 inch SWAGELOK	1/8 inch SWAGELOK	1/4 inch SWAGELOK	Luer Lock
Size	2.5 ml & 8 ml	2.5 ml & 8 ml	20 ml – 200 ml	20 ml – 200 ml	20 ml – 200 ml	20 ml – 200 ml

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
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