

SampleLock™ Syringes

The HAMILTON SampleLock™ syringes allow you to collect, store, transport and analyze liquid or gaseous samples without the danger of evaporative loss or environmental contamination. Syringes are available in sizes ranging from 50 µl to 100 ml. An easy-to-use twist valve and a positive rear stop on SampleLock prevents loss of sample and plunger blowout. Optional male luer and female luer lock adapter threads on the SampleLock™ valve making the syringes compatible with a multitude of connectors and fittings.

Typical applications are:

- Headspace application
- Environmental sample collection and storage
- Pre-pressurization of gaseous sample for GC analysis
- Injection of internal standards through the valve port into samples
- Sample spiking



Tech Tip

Sample Pre-Pressurization

Obtain reproducible results during GC quantitation of gaseous samples by pressurizing the syringe contents prior to injection.

1. With the SampleLock™ valve closed, depress the syringe plunger and hold it in position.
2. Insert the needle into the injection valve and open the SampleLock™ valve while depressing the plunger to release the sample onto the head of the column.

This technique produces a positive injection pressure over the column inlet, prevents sample loss from blowback, and ensures a tighter sample plug. Please exercise care when pre-pressurizing small volume SampleLock™ syringes as it is easy to develop pressures in excess of 250 psig, which may cause the valve to leak.

1700 SampleLock™ Syringes



Ordering information	Needle length mm	Volume 50 µl Model 1705 Gauge 22s	Volume 100 µl Model 1710 Gauge 22s	Volume 250 µl Model 1725 Gauge 22s	Volume 500 µl Model 1750 Gauge 22
RN removable needle pst2 *	51	80956	81056	81156	81256

* Only RN needles usable for syringe volume 250 µl to 10 ml.

1000 SampleLock™ Syringes



Ordering information	Needle length mm	Volume 1000 µl Model 1001 Gauge 22	Volume 2500 µl Model 1002 Gauge 22	Volume 5000 µl Model 1005 Gauge 22	Volume 10000 µl Model 1010 Gauge 22	Volume 25000 µl Model 1025 Gauge 22	Volume 50000 µl Model 1050 Gauge 22	Volume 100000 µl Model 1100 Gauge 22
RN removable needle pst2 *	51	81356	81456	81556	81656	86326	86336	86346

* Only RN needles usable for syringe volume 250 µl to 10 ml.

Accessories and Spare Parts

Ordering information	Model 1705 Gauge 22S	Model 1710 Gauge 22S	Model 1725 Gauge 22S	Model 1750 Gauge 22	Model 1001 Gauge 22	Model 1002 Gauge 22	Model 1005 Gauge 22	Model 1010 Gauge 22	Model 1025 Gauge 22	Model 1050 Gauge 22	Model 1100 Gauge 22
Plunger assembly	1162-01	1162-02	1320-01	1321-01	1343-01						1615-03
RN removable needle pst2	7779-03	7779-03	7779-03	7779-01	7779-01	7779-01	7779-01	7779-01	7779-01	7779-01	7779-01
RN removable needle pst3	7780-03	7780-03	7780-03	7780-04	7780-04	7780-04	7780-04	7780-04	7780-04	7780-04	7780-04
RN removable needle pst5	7784-01	7784-01	7784-01	7784-02	7784-02	7784-02	7784-02	7784-02	7784-02	7784-02	7784-02
Female Luer RN needle hub	35081	35081	35081	35081	35081	35081	35081	35081	35081	35081	35081
Male Luer RN needle hub	35080	35080	35080	35080	35080	35080	35080	35080	35080	35080	35080
Male Luer Lock RN needle hub	35083	35083	35083	35083	35083	35083	35083	35083	35083	35083	35083