

Syringe Cleaning and Maintenance

Syringe Cleaner

- Clean 7000 Series MODIFIED MICROLITER syringes with only heat (370°C) or add a vacuum source (.1 mm mercury) to remove suspected residuals
- MICROLITER and GASTIGHT syringes may be cleaned when a voltage rheostat* is added to reduce the chamber temperature to 50°C; a vacuum source (.1 mm mercury) can be added to remove suspected residuals
- Not effective for frozen plungers or plugged needles



Needle Cleaning Kit

- Contains a selection of various diameter tungsten wires for cleaning plugged needles
- Biodegradable cleaning concentrate helps to remove tenacious residues



Ordering Information

Part Number	Description
76610	Syringe Cleaner, 120VAC
76615	Syringe Cleaner, 220VAC
76022	Replacement Septa, 5 mm diameter, 12/pk

* Note: Voltage rheostat and vacuum source must be purchased separately

Syringe Cleaning Tips

- The life of your MICROLITER, MODIFIED MICROLITER or GASTIGHT syringe is directly related to its cleanliness!
- To clean syringes, it is best to use solvents known to be effective in solvating the sample and preferably are non-alkaline, non-phosphate and non-detergent based. A biodegradable, non-phosphate, organic Cleaning Concentrate is available from Hamilton; order part # 18311.
- High quality water and acetone prove to be good rinses.
- To clean the plunger, remove it from the syringe barrel and gently wipe with a lint-free tissue. Reinsert the plunger into the barrel and pump deionized water or acetone through the needle and syringe. Air dry the syringe for storage.

Note: When reinserting a TEFLON®-tipped plunger into a syringe barrel, wet (lubricate) the tip with deionized water or another solvent compatible with the sample.

Sterilizing Syringes

Sterilize your Hamilton syringe using an appropriate chemical sterilizer. Rinse the syringe thoroughly after sterilization. In general, Hamilton Company does not recommend autoclaving syringes. Stainless steel expands faster than glass upon heating. Heating a syringe with a cemented, stainless steel needle may cause the glass barrel to split. Heating a syringe with cemented stainless steel hubs may result in adhesive deterioration and leakage. It is the responsibility of the user to determine the suitability of application and material compatibility of the products based on published specifications.

Ordering Information

Part Number	Description																					
76620	Needle Cleaning Kit (includes cleaning wires and 70 mL of cleaning concentrate listed below)																					
	<table border="1"> <thead> <tr> <th>Cleaning Wire Part #</th> <th>Cleaning Wires (7" in length)</th> <th>Use to Clean Needle Gauges</th> </tr> </thead> <tbody> <tr> <td>18306</td> <td>.00300" O.D., 10/pk</td> <td>23s, 26s, 31-33</td> </tr> <tr> <td>18300</td> <td>.00350" O.D., 10/pk</td> <td>26s, 31-33</td> </tr> <tr> <td>18301</td> <td>.00497" O.D., 10/pk</td> <td>22s, 25s, 28-30</td> </tr> <tr> <td>18302</td> <td>.00659" O.D., 10/pk</td> <td>27</td> </tr> <tr> <td>18303</td> <td>.00815" O.D., 10/pk</td> <td>24-26</td> </tr> <tr> <td>18304</td> <td>.01207" O.D., 10/pk</td> <td>22, 23 (and larger)</td> </tr> </tbody> </table>	Cleaning Wire Part #	Cleaning Wires (7" in length)	Use to Clean Needle Gauges	18306	.00300" O.D., 10/pk	23s, 26s, 31-33	18300	.00350" O.D., 10/pk	26s, 31-33	18301	.00497" O.D., 10/pk	22s, 25s, 28-30	18302	.00659" O.D., 10/pk	27	18303	.00815" O.D., 10/pk	24-26	18304	.01207" O.D., 10/pk	22, 23 (and larger)
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18311	Cleaning Concentrate, 500 mL (not included in cleaning kit)																					

Cleaning Needles

Should a needle become clogged, do not attempt to clean it by forcing liquid or compressed air through the syringe. Excessive pressure will split the glass barrel. Order Hamilton's Needle Cleaning Kit, part # 76620, to prevent clogging of needles. Remove the plunger from the syringe before cleaning the needle. Cleaning wires are used to dislodge any foreign material or residue build-up. Use deionized water or acetone to thoroughly rinse the syringe.