Micro Pipet System 1.7

Quality and value you can rely on!®

For Filling 1.7mm Capillaries

The system utilizes a special adapter that screws onto the base of a removable needle syringe and accommodates a special glass "needle". The 8" long "needle" fits easily into the ID of the 1.7mm capillary. The "Needle" Guide helps funnel the "needle" into place. The approximate volume at 7" height is 40ul. The needle is filled by displacement so the sample never reaches the syringe thus avoiding cleaning of the syringe and possible cross-contamination. Tests have shown about 90% recovery. Results may vary.

1.7mm capillaries are not included

Syringe and Repeating Adapter may be purchased separately. Syringes with a removable needle (recommend 50 or 100ul) and a Repeating Adapter (useful in setting volume) are commercially available or can be supplied upon request at additional cost.

Catalog Number	Description	Price each
NE-382-1.7	Micro Pipet System 1.7, for Bruker 1.7mm capillaries (includes all parts and glass "needle"; syringe, repeating adapter and capillaries not included)	**$429.61**
NE-382-1.7-NC	Micro Pipet System1.7, for 1.7x 75mm capillaries with no cap (includes all parts and glass "needles": syringe, repeating adapter and capillaries not included)	**422.44**
NE-382-1.7-SRA	Total System, for Bruker 1.7mm capillaries (includes syringe, repeating adapter; capillaries not included	638.02
NE-382-1.7-SRA-NC	Total System, for 1.7 x 75mm capillaries (includes syringe, repeating adapter; capillaries not includes)	510.22
NE-382-CAOR	Capillary Adapter, two piece with one O-ring	197.45
NE-382-OR	O-ring, Viton, 1 each	9.25
NE-382-B	Bushing, Teflon	18.66
NE-382-CH	Capillary Holder	88.86
NE-382-CC	Capillary Chuck, for Bruker 1.7mm capillaries	51.36
NE-382-CC-NC-75	Capillary Chuck, for 1.7 x 75mm capillaries	69.90
NE-382-CC-NC-100	Capillary Chuck, for 1.7 x 100mm capillaries	77.01
NE-382-NG	"Needle" Guide	63.21
NE-382-GN	Glass "Needle", 8", approx. 40ul at 7", Pack of 100	71.09
NE-262-1.7-75	1.7mm OD x 75mm long capillaries, volume at 30mm height ~50ul, pack of 10	51.60
NE-382-S-100	Syringe, 100ul w/Teflon Tip Plunger	113.74
NE-382-RA	Repeating Adapter	93.60

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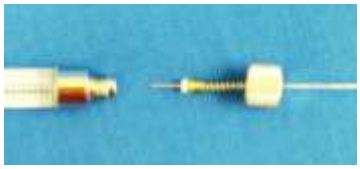
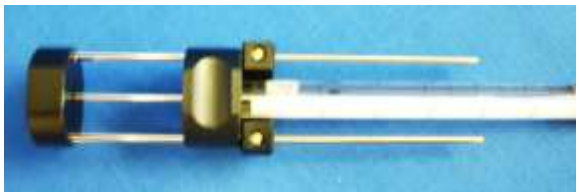
NE-382-1.7 -SRA , -SRA-NC Micro Pipet 1.7 Assembly and use

Remove needle from the syringe.

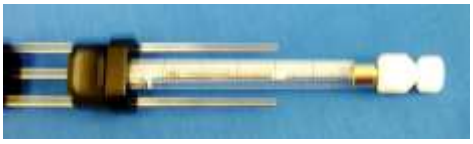


Install Rpeating Adapter onto the syringe. Follow the instructions that came with the product.



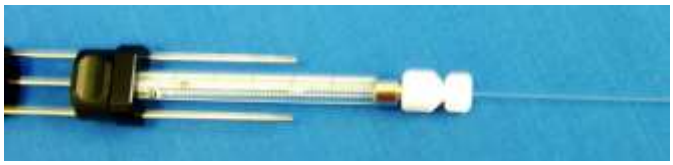
Insert the Bushing into the base of the Syringe in place of the needle. It will slip easily into position.

Thread the 2-piece Capillary Adapter onto the Syringe. See “How to assemble and use the Capillary Adapter NE-382-CAOR” that is provided on the next page.



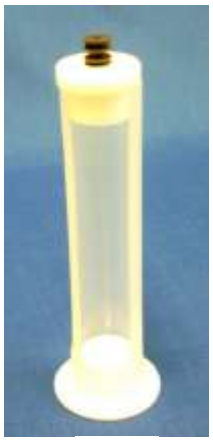
To insert the Glass “Needle” see “How to assemble and use the Capillary Adapter NE-382-CAOR” provided on the next page.

The Glass “Needles” are fragile-use caution and always use protective eyewear.



A: insert the 1.7mm capillary into the Capillary Holder.
B: Place “needle” Guide over capillary

To transfer the sample, gently insert the “Needle” to the bottom of the capillary and slowly load the sample as you slowly lift the needle tip. Any air bubbles can be removed from the sample by spinning in a centrifuge.



A

B

How to assemble and use the Capillary Adapter NE-382-CAOR

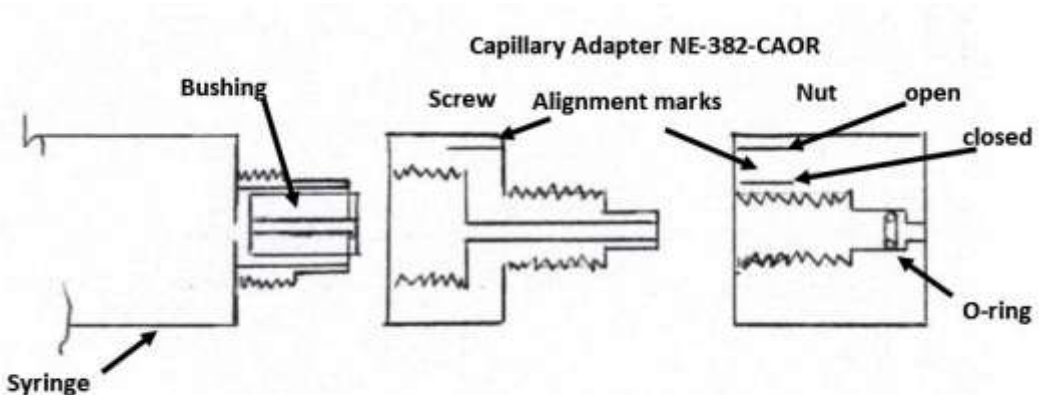
Insert the Bushing into the base of the syringe as shown.

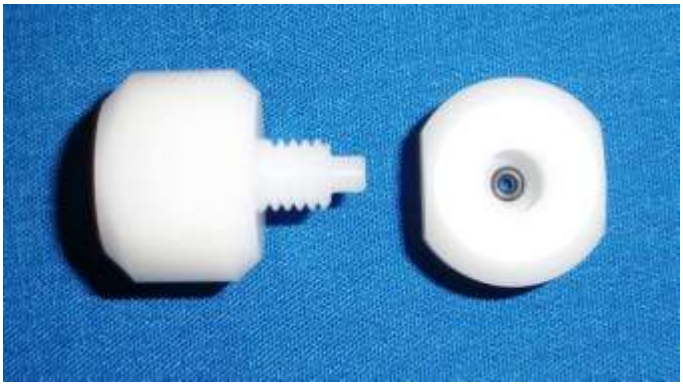
The nut holds the O-ring as shown. Make sure that the O-ring is seated properly.

Thread the screw onto the syringe , taking care not to cross-thread it, until it is firmly in place. Do not over tighten.
Taking note of the alignment marks on the screw and nut, thread the nut onto the screw until you feel the slightest resistance. The first line on the nut should align with the line on the screw. This is the open position where the glass needle can be easily inserted in place. The needle will stop at the bushing.

A small turn clockwise would secure the needle. The second mark on the nut should align with the line on the screw. A small turn counter-clockwise would release the needle.

The alignment marks are not permanent. They are there initially to help you get a feel for working with the system. There is no need to fully remove the nut except for O-ring replacement or cleaning.





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Notes:

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