

How to safely open pipettes in straws

Micropipettes SG System for human embryo/oocyte manipulation in vitro

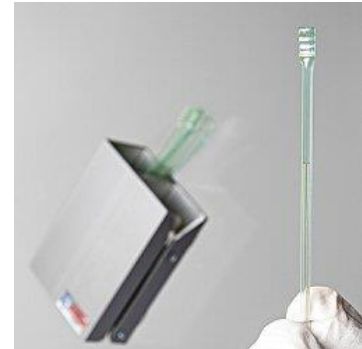
Revision: 5-2021

Recommended procedure for removing the pipettes from their protective cover - important steps to preserve sterility and mechanical integrity of the capillaries

Step 1:

Open the transport tube. Each tube contains 10 straws and each straw contains a pipette. They are all oriented the same way, which means, that the functional tip is at the same end in all straws. Slowly turn the tube upside down and let the straws gently drop into a storage container. Thus they will be facing up with the part that is to be cut off when opening the straw.

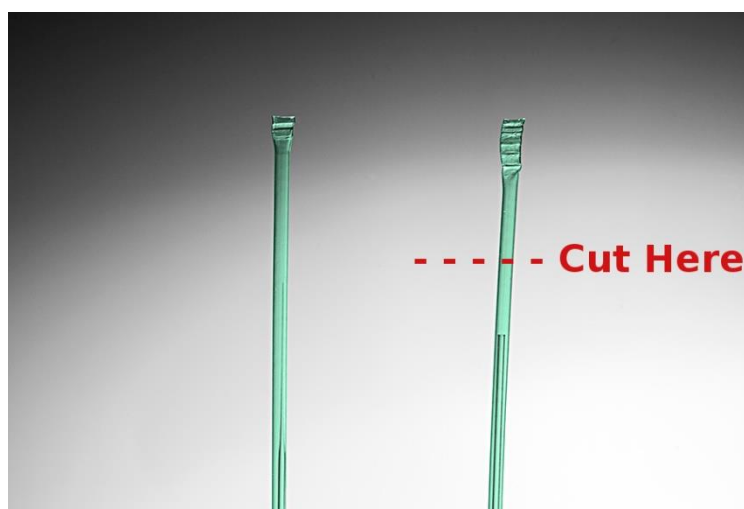
It is recommended that you store your straws containing pipettes in the storage part of your SG Cutter. The SG System micropipettes will then be ready to use without disturbing your working area. This cutter combines the storage and cutting functions and is supposed to be attached to a wall of your laminar flow box.

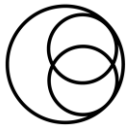


Comment:

Pipettes are placed in straws so that the broader part of the pipette is on the upper side (by the wider sealed end) while the working narrow part is by the narrower end of the straw.

To make sure, which end of the straw to cut off, you may wish to look at the straw against a strong light source. Through the straw you can see the pipette and make sure you cut above the wide end, not the narrow tip.



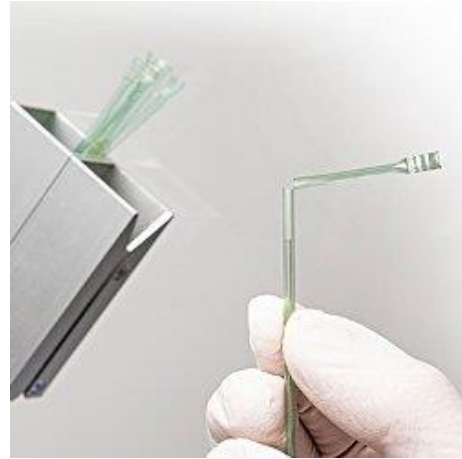


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Step 2:

Preferably to be conducted in the protected area of an IVF cabinet:

Cut the straw just below the wide end closure. The best tool for this operation is the SG Cutter specifically made for use with SG System micropipettes. With this cutter micropipettes can be conveniently stored and their cover straws opened using just one hand. Additionally, there is no risk of cut waste separating from the straw and falling into the IVF cabinet. Depending on the version, this cutter can be attached to the right or left side wall of the IVF cabinet (for the SG-007-CUT R and the SG-007-CUT L respectively).



The cutting procedure is shown in the picture above. First, pull the straw down through the gap in the SG Cutter. It is important to hold the straw close to the cutter to protect the capillary inside. Bend the cut-off part on the top of the straw.

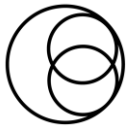
Note that the cutting side of the cutter has to be placed at an angle, not vertically. As shown in the photos above. Use SG-007-CUT and attach it at an angle or use SG-007-R-black which is already beveled.



SG-007-R-black



SG-007-CUT-L



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Step 3:

Turn the straw upside-down and carefully slip the pipette out of the straw. Hold the pipette by its broader end and immediately attach the appropriately coloured bulb. The pipette is now ready for sterile use with a permanent colour identification of the diameter.



Warning:

The narrow working part of the pipette must not come in contact with non-sterile surfaces or solutions!



Pipette is now ready for use, with a penholder or without it. Notice the right cutter mounted on the right wall.



Notes:

Please note, that denudation pipettes have sharp edges of the functional part (sharp opening). Sometimes they appear 'chipped'. However be assured that it does not have any effect on the cleanliness of the inner part of the pipette. Our quality control is very strict regarding any bits of glass inside the capillary. If you happen to see some chips, they may be on the outer side of the pipette and have no impact on the safe and clean usage of it.

In manipulation and blastocyst pipettes this does not happen, as they have blunt openings.