This document is a supplement to the microinjector operating manual and does not replace it. Before installing the capillary, read the operating manual of the microinjector. The current version is available on the internet at www.eppendorf.com.

1 Features

Femtotips and Femtotip II are sterile, single-use glass capillaries used to inject liquids into tissue culture cells.

<table>
<thead>
<tr>
<th>Femtotips</th>
<th>Femtotip II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protective cap, colorless</td>
<td>Protective cap, yellow</td>
</tr>
<tr>
<td>Inner diameter of tip 0.5 μm, ±0.2 μm</td>
<td>Inner diameter of tip 0.5 μm, ±0.2 μm</td>
</tr>
<tr>
<td>Normal wall thickness</td>
<td>Low wall thickness</td>
</tr>
<tr>
<td>Filament for quick filling</td>
<td>Filament for quick filling</td>
</tr>
</tbody>
</table>

2 Safety notes

**CAUTION! Risk of cuts from broken capillaries.**
Capillaries are made of glass. They are very sharp and fragile.

- Wear your personal protective equipment (PPE).
- Always mount capillaries depressurized.
- Never aim capillaries at people.
- Handle the capillaries very carefully.

- Check the packaging for damage.
- Do not use capillaries if the packaging is damaged.
- Only use capillaries as described here.
- Only trained personnel may use the capillaries.
- Fill and mount capillaries carefully.
3 Remove the capillary

1. Pull the foil apart and remove the capillary.
2. Hold the capillary upright.
3. Slightly turn the protective cap and let it drop down.

3.1 Fill the capillary

Prerequisites
- A pipette with Microloader is available.

1. Aspirate the liquid into a Microloader.
2. Insert the Microloader into the capillary from the connection side and dispense the liquid.

There are other options to aspirate liquid into the capillary.
- Aspirate liquid through the tip of the capillary under negative pressure.
- Immerse the connection side of the capillary into the liquid. The capillary action lets the liquid rise.

4 Ordering information

<table>
<thead>
<tr>
<th>Order no. (International)</th>
<th>Order no. (North America)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5242 952.008</td>
<td>930000035</td>
<td>Femtotips 20 pieces</td>
</tr>
<tr>
<td>5242 957.000</td>
<td>930000043</td>
<td>Femtotip II 20 pieces</td>
</tr>
<tr>
<td>5242 956.003</td>
<td>930001007</td>
<td>Microloader Eppendorf Quality, 2 racks of 96 tips 0.5 - 20 μL, light gray, length: 100 mm</td>
</tr>
</tbody>
</table>