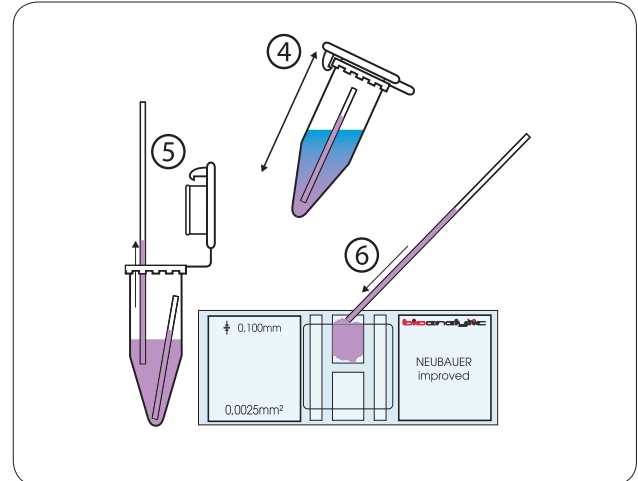
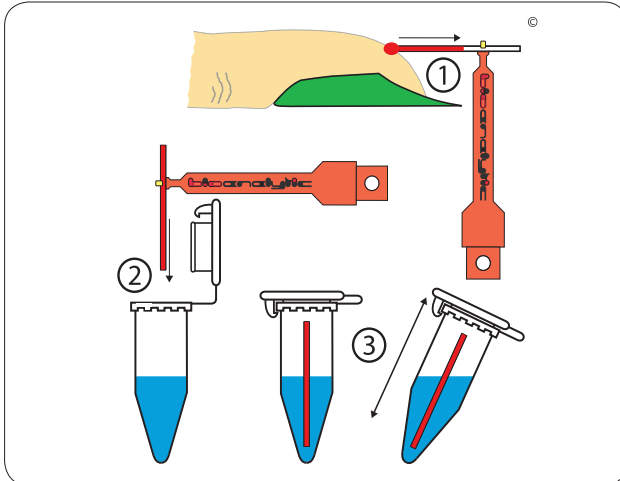




# TIC®

## Step by Step & Check List

(1/1)  
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### General

- Please observe the necessary precautions for use of laboratory reagents and body fluids.
- Use the Bioanalytic capillary holder for handling end-to-end volume capillaries (ETE)
- Handle human or animal specimens carefully and with caution as they may be infectious.
- Wear disposable gloves and protective clothing while handling and during use.

### Sample processing

#### Capillary blood

- Open the capillary holder and clamp the end-to-end volume capillary (ETE) at about half to two thirds of its length.
- Open the TIC tube you wish to use.
- Disinfect the skin and puncture the sampling site with a sterile lancet. Blood drops must form spontaneously.
- Wipe off the first drop of blood.
- Insert the end of the ETE nearly horizontally into the second blood drop. Fill ETE bubble-free from end to end (1).
- Wipe away blood adhering to the outside with a lint free tissue - don't change the blood volume inside the capillary.
- Move the capillary horizontally to a position over the (open) tube. Turn the ETE into a vertical position and open the capillary holder. Let the entire capillary drop into the tube (2).
- Close the TIC tube tightly and carefully.
- Take the TIC tube between thumb and index finger and shake it vigorously about 8 to 12 times. All blood must be flushed from the ETE (3).

#### EDTA blood

- Collect EDTA blood as described in the collecting procedure (e.g. BD Vacutainer system). Immediately mix blood with the EDTA contained in the container.
- Prior to preparing the TIC, place the EDTA blood on a roller mixer for > 10 minutes to resuspend blood cells.
- Using an automatic laboratory pipette, fill the pipette tip with the appropriate volume of EDTA blood.
- Wipe away blood adhering to the outside with a lint free tissue - don't change the blood volume inside the tip.

- Dispense the blood into the TIC solution and repeatedly flush the pipette tip with TIC solution until no more blood can be seen inside the tip. Carefully empty the tip and discard it.
- Close TIC tube tightly and carefully.
- Take the TIC tube between thumb and index finger and shake it vigorously about 4 to 8 times (3).

### Chamber filling

- Refer to the instruction of the counting chamber for preparing the cover slip.
- Wait for the minimum time indicated in the package insert for the TIC method.
- Take the TIC tube between thumb and index finger and shake it 4 to 8 times to resuspend the cells (4).
- Open the TIC tube carefully.
- Fill a chamber filling capillary about half way with the blood-reagent mix from the tube (5).
- Seal the capillary at the upper end with your finger and load the cell dilution under the cover slip of the counting chamber (6).

### Cell Counting

- For details on the cell counting procedure please refer to the TIC instruction <sup>\*1)</sup>, <sup>\*2)</sup> and to the instructions for the Bioanalytic counting chamber <sup>\*2)</sup>.

### Footnotes

- \*1) Included in the test kit.
- \*2) Downloadable from [www.bioanalytic.de](http://www.bioanalytic.de).

Production information  
TIC step-by-step instruction & procedure check list

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