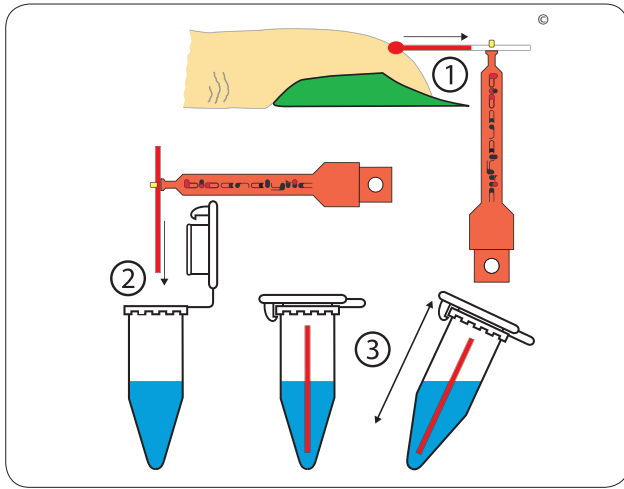




# Capillary Holder

## Original Bioanalytic Capillary Holder for End-to-End Capillaries

This instruction is only valid for original equipment labeled and delivered from Bioanalytic GmbH. Similar products of other manufacturers may consist of other materials with other properties.



### Usage

The capillary holder is used primarily to hold and safely handle end-to-end capillary pipettes (also called as ETE capillaries, volume capillaries, Dellbrueck capillaries).

End-to-end capillaries<sup>(1)</sup> are usually available in the volume sizes between 5 ... 50 µL and in various versions such as heparinised (Na, Li, NH<sub>4</sub>-heparin) or with EDTA.

This end-to-end capillaries are characterized by the fact that the volume is determined by their exact size and length. Therefore, the end-to-end capillaries have to be filled completely (no air bubbles and adhering without external sample material).

#### Note

End-to-end capillaries, which are used for medical applications (e.g. for blood sampling) are medical devices and in vitro diagnostic medical devices and have to bear the IVD symbol and the CE mark (EU).

In the US, these are subject to FDA regulations. For other countries different regulations may apply.

End-to-end capillaries of Bioanalytic comply with regulations.

The information listed here is information for capillary holder. Depending on the application, they must be adapted to the purpose of use. Note the priority to be observed instructions in the manual for the examination method.

### Application

#### Picking up the capillary

- Take capillary holder between the index and middle finger, the thumb is on the trigger (blunt end).
- Open tip of the capillary holder by pressing the spring-loaded trigger.
- Insert the capillary and relieve the compressors.
- The capillary is clamped.

#### Handling

- The clamped capillary can now be easily and safely held and used.
- Avoid any further contact with the capillary.

#### Kapillarblutentnahme

- The blood collection site is disinfected and punctured with a blood lancet. The blood must flow freely (do not press).
- Discard the first drop of capillary blood with a tissue.
- Dip one end of the capillary into the drop.
- Keep capillary (horizontally) and fill bubble-free with blood from end to end (Picture point 1).
- Remove blood on the outside with a lint-free tissue without sucking blood from the capillary.
- Keep the capillary always horizontal.

#### EDTA blood collection

- The capillary can also be filled with EDTA blood (e.g. from a Vacutainer<sup>®</sup> tube).  
Important: Make sure that the sample is taken (EDTA blood, heparin blood, serum or plasma) is suitable for the analysis! Information, see the instructions for the method of analysis.
- Open the sample tube (e.g. Vacutainer<sup>®</sup> tube). Blood and other suspensions must be previously mixed sufficiently.
- Hold the sample tube at an angle, which can present the sample material at the edge of the collection tube.
- Dip one end of the capillary into the sample. Hold capillary horizontal and fill completely and bubble-free from end to end.
- Remove blood on the outside with a lint-free tissue without sucking blood from the capillary.
- Keep the capillary always horizontal.

#### Transfer

- The filled capillary is usually given completely in a pre-filled reagent tube (e.g. for microscopic leukocyte counting use Leuko-TIC<sup>®(1)</sup>).
- To do this, turn the capillary above the reagent tube in a vertical (perpendicular) position and open the clamp of the capillary holder by pressing the trigger with your thumb (Picture point 2).
- Subsequent procedure (mix) see instruction of the investigation method (Picture point 3).



## Cleansing and Hygienics

Disinfect and clean the capillary holder regularly. For disinfection it is suitable, e. g. to use 70% alcohol or suitable alcoholic spray disinfectants.

The capillary holder can not be autoclaved or sterilized by heat. Sterile gas sterilisation with ethylene oxide (EO STERILE) is possible. Gamma sterilization (STERILE-R) is possible under certain conditions (plastics suffer under irradiation: discoloration, elasticity).

## Regulations

The use of end-to-end capillaries with capillary holder corresponds with the regulation of the association, not pipette by mouth. There is no contact with sample material (blood or mixture) at application conform handling.

### **Risks and Safety**

Please observe the necessary precautions for use of laboratory reagents and body fluids. Applications should be performed by expert personnel only. Wear protective clothing and disposable gloves during work. Use a capillary holder for volume capillaries.

## Information

### **Ordering Information**

Capillary holder (reusable) is available <sup>(1)</sup> separately as universal accessory. We recommend a capillary holder on each workstation and in addition to keep additional one on reserve stock.

### **Support / Information service**

For methodological and technical support, please contact us by E-Mail at [support@bioanalytic.de](mailto:support@bioanalytic.de) (German, English).

Periodically check for updates of this product information on our website.

### **Feedback**

Information from users can be reported to [support@bioanalytic.de](mailto:support@bioanalytic.de) (German, English).

Suggestions for further developments will be considered.

### **Brands and Trademarks**

*Vacutainer*<sup>®</sup>: Becton-Dickinson.

*Leuko-TIC*<sup>®</sup>: Bioanalytic GmbH.

## Footnotes

(1) Available by Bioanalytic GmbH