



# Capillaries

## Handling of end-to-end capillaries (volume capillaries) and chamber filling capillaries

General description for end-to-end capillaries (volume capillaries) and chamber filling capillaries.

### Intended Use

End-to-end capillaries (volumetric capillaries) are used to precisely hold a defined sample volume. Chamber filling capillaries are used to fill the counting chamber. Please refer primarily to the product information of the test kit if the capillaries are part of such a kit.

### Application

End-to-end capillaries (volume capillaries) are characterized by the fact that the volume is determined by their exact cross-section and length. If the end-to-end capillary is completely filled (without air bubbles and without sample material attached to the outside), the liquid volume corresponds to the volume of the capillary.

The chamber filling capillaries do not have an exact volume, they only serve to transfer undefined volume to the counting chamber.

#### Note:

The use of our capillary holder is strongly recommended for handling end-to-end capillaries (volume capillaries) during blood collection or in connection with other biological and potentially infectious media.

### Risks and Safety

Please observe the necessary precautions for use of laboratory reagents and body fluids; as well as possibly also of microbiological samples. Applications should be performed by expert personnel only. Follow the national and laboratory internal guidelines for work safety and infection control. Wear suitable protective clothing, safety eyewear and disposable gloves while handling. It is important to ensure effective protection against infection according to laboratory guidelines. Use a capillary holder for volume capillaries.

### Preparing the original packaging

The capillaries are located in a glass tube which is closed with a plastic cap with a dispenser hole.

The cap is colour coded, i.e. each volume is colour coded differently. The cap colour and colour code on the label are the same. Do not swap the caps! To use them, first remove the transport closure under the cap.

- Place the tube vertically on the table and hold it with one hand.
- With the other hand, remove the plastic cap from the capillary tube.
- Carefully remove the foam or cardboard disc underneath with a clean, pointed pair of tweezers. The capillaries underneath must not be damaged or soiled.
- Push the plastic cover back onto the glass tube so that it snaps into place all around and is firmly seated.
- Ensure dust-free and dry storage.

### Taking out the capillaries

The individual capillaries are removed by tilting the capillary tube and gently shaking it. The dispenser hole in the lid releases one capillary at a time.

#### Notes

- Leave capillaries that are not immediately used in the capillary tube.
- Do not return removed capillaries to the capillary tube.
- Dispose of capillaries that have been removed but not used immediately and do not store them for later use (contact with dust and humidity).
- Discard capillaries that have fallen out and discontinue use.
- Store the dispenser tube in a dust-free environment (closed original carton).

### Possible errors

If different sizes of end-to-end volume capillaries are used, please use them sequentially only and never take different sizes out of the dispenser tubes at the same time.

Implausible results may be the result of inexact filling of the volume capillaries. Ensure that the capillaries are filled completely and free of air bubbles. Sample material adhering to the outside - usually by dipping into a drop of blood - should be carefully wiped off with a lint-free disposable cloth without sucking any material out of the capillary.

### Notes

This product information exclusively relates to the product described in this leaflet. In particular, this product information cannot be applied to similar reagents from other manufacturers.

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

#### Instruction for use

For professional use only.

To avoid errors, the use of qualified personnel is carried out. National guidelines for work safety and quality assurance must be followed.

The used equipment must comply with the state of technology and the laboratory requirements.

All samples and used tubes/vials must be marked clearly identifiable to exclude any confusion.

#### Classifications

EU: EDMA: 13 01 09 90 00; IVD Class A  
Basis UDI: 4061609-0006-P4.

AU: Class 1; IVD.

CA: HC: Class I exempt; for in-vitro diagnostic use.

US: FDA: GIO Class I exempt; for in-vitro diagnostic use.

#### 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.

If a serious incident has occurred during or as a result of use, please report it to the manufacturer and/or its authorized representative and to your national authority.

#### Waste Management

Please observe your national laws and regulations.

Unused capillaries can be added to household waste. Potentially infectious contaminated capillaries must be disposed of in such a way as to prevent injury/infection to third parties.

## Examples

Color coding white



Color coding orange



Color coding black



Color coding blue



## Literature & Footnotes

Legends for the graphic symbols and tags used follow relevant norms or are available on our internet pages.