

Blood Gas-Capillaries

PRODUCT DESCRIPTION:

Capillary made of gastight plastic

Fill volume: see packing label

Anticoagulant: For blood collection for pH/blood gas, oximetry, electrolyte and metabolite analysis:
50 I.U. electrolyte compensated heparin

Storage conditions: Room temperature / store in a dry place

APPLICATION NOTES:

- The capillary may only be used by trained personnel.
- Observe the required hygiene regulations when handling biological samples. Dangerous causative agents may be present. Protective gloves and protective clothing must be worn. Danger of infection!
- The analysis should be performed immediately after taking the sample. If the sample is stored too long in the capillary before performing the measurement, it may lead to sedimentation and changes of the measuring values. This occurs particularly in samples with high hematocrit, extreme measured values, increased self-metabolism as well as long increased temperature!

Please observe the relevant literature.

The capillary is intended for single use only and must be disposed of in accordance with the regulations.

DISPOSAL:

Dispose of capillary according to existing local or lab regulations (biologically contaminated – hazardous waste!).



Sampling Procedure Without Using Mixing Wires and Capillary Caps

1. Select the skin puncture point and increase the circulation in the region.
2. Apply antiseptic to the sampling site. Then puncture the skin so that drops of blood rapidly form. Fill the capillary with blood from the middle of the blood drop to prevent air from getting into the capillary.
3. Aspirate the sample into the analyzer or system immediately.

Sampling Procedure Using Mixing Wires and Capillary Caps

1. Select the puncture site and increase the circulation in the region.
2. Loosely mount a capillary cap on one end of the capillary.
3. Insert a mixing wire in the capillary and allow it to slide to the same end as the loosely mounted capillary cap.
4. Apply antiseptic to the sampling site. Then puncture the skin so that drops of blood rapidly form. Fill the capillary with blood from the middle of the blood drop to prevent air from getting into the capillary.
5. Tighten the capillary cap. Then tightly mount a capillary cap on the other end of capillary.
6. Move the mixing wire 20 times along the full length of the capillary using the magnet to mix the blood and the anticoagulant together.
7. Analyze the sample within 10 minutes. If storage is unavoidable, store the sample lying horizontally at ~ 4 °C for maximum 20 minutes.
8. Before the sample is analyzed, mix it again. Do not remove the mixing wire before the sample is aspirated for measurement. Slide the mixing wire to the end of the capillary opposite to that from which the blood is to be aspirated.
9. Remove both capillary caps.
10. Aspirate the sample into the analyzer or system.

For further instructions please refer to the relevant Operator's Manual for your analyzer or system.

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