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Адаптер для микропипеток МРА



Capillary sample

The micropipette adapter (MPA) method, based on a simple finger-stick sample taken directly from the patient, is an exclusive feature in hematology analyzers today.



Especially suited for children and blood banks

As a finger-stick is largely painless, the MPA is a suitable way to take and analyze blood samples from children or other patients. For blood banks, the functionality provides a tool for making fast pre-donation blood cell determinations. It also saves the vein for donation.



Finger-stick blood is all you need

From the doctor's office and small labs to medium-sized clinical units, Boule hematology analyzer delivers a CBC and a 3-part WBC differential, with accuracy and reliability. The MPA inlet allows a complete blood count from one drop of blood in a minute.



MPA adapter – 20 μ L blood is all it takes

Draw 20 μ L blood from a simple finger-stick, slide tube into adapter and insert into the analyzer. The analysis starts automatically. In about one minute, you see the full blood screen on the display. No preparation, no pre-dilution and no vacuum tubes required. It's that simple.

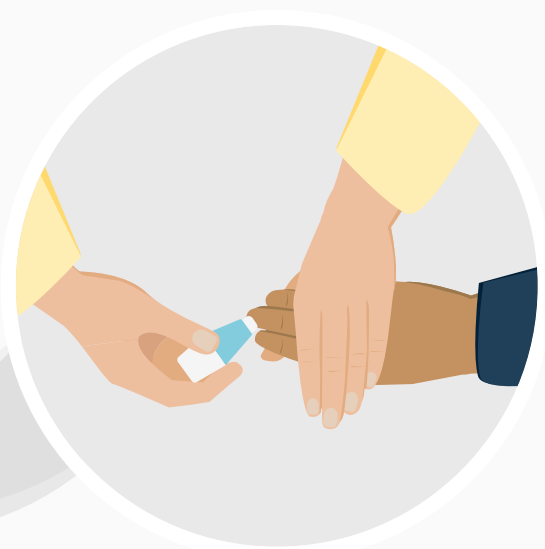
A complete blood count from one drop of blood

Capillary blood sampling can be an option for patients that are hard to puncture such as elderly. As a fingerstick often is easier on the patient, capillary sampling is typically also used with children and critically ill patients.

When performing a finger stick, there are some things to consider to ensure reliable results with an automated hematology analyzer.

Ensure a good blood flow

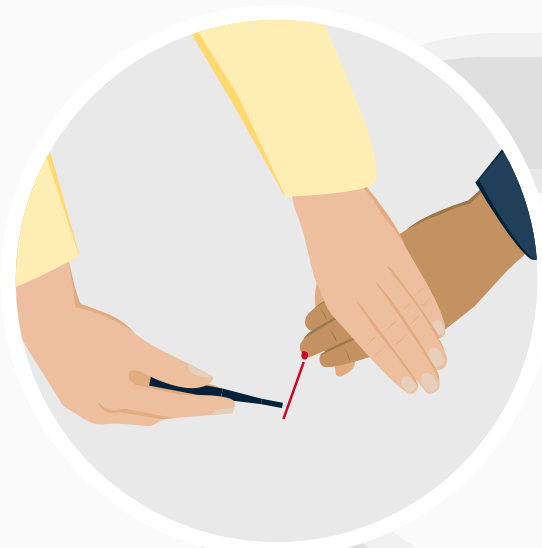
- Warm the sampling site for skin puncture 3–5 min.
- Keep the hand in a low, relaxed position to ensure a good blood flow
- Disinfect the sampling area and let air dry.



Perform the puncture

- Take a firm grip of the whole hand, not just one finger.
- Puncture using a 2 mm lancet and apply a light pressure, then release to obtain a free flow.

Note! Pressing too hard will cause tissue fluid to dilute the sample, resulting in falsely low results.



Collect the blood sample

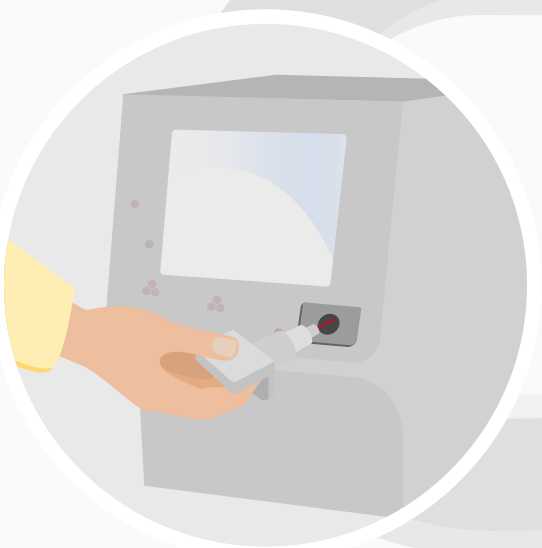
- Wipe off the first drop of blood with a clean tissue.
- When second drop forms, collect in micropipette.
- Completely fill the micropipette and make sure there is no air trapped inside.
- Carefully wipe off any blood on the outside of the micropipette.



Analyze

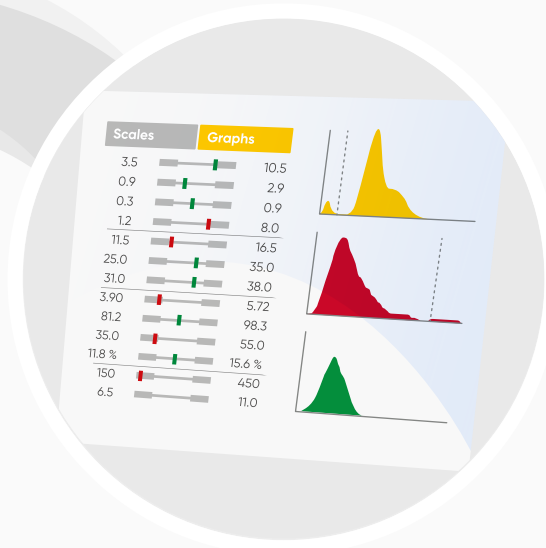
- Insert filled micropipette into the MPA adapter.
- Insert the adapter into the analyzer, and analysis cycle will automatically begin.

Note! Samples should be analyzed directly after collection, and for optimal results, no longer than 10 min from collection.



Read the result

- The results are displayed within one minute.



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