

# DiaSpect Tm

## Quick Reference Guide

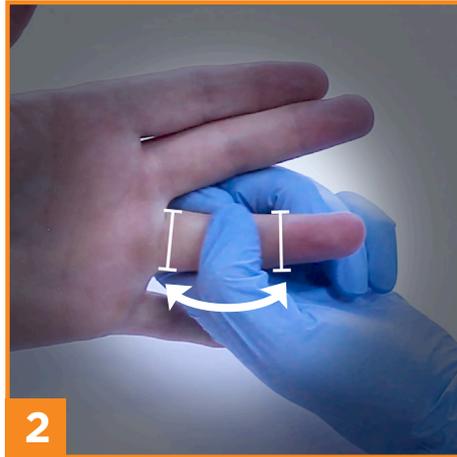
- These instructions are only a Reference Guide. For complete information, refer to the DiaSpect Tm User Manual.
- Read the instructions completely before using the product. Follow the instructions carefully when performing the test as not doing so may result in inaccurate test results.

### Capillary Sampling

With gloved hands, take a DiaSpect Tm Cuvette out of the foil bag and close the bag.



**1** Make sure the hand is warm and relaxed. Use the middle or ring finger for sampling. Avoid fingers with rings on. Disinfect and dry the puncture site.



**2** Gently massage the finger towards the tip to increase blood flow. Avoid going past the first knuckle.



**3** Make the incision on the upward-facing side of the finger tip, so that the blood drop sits on top of the finger, to facilitate filling of the cuvette.



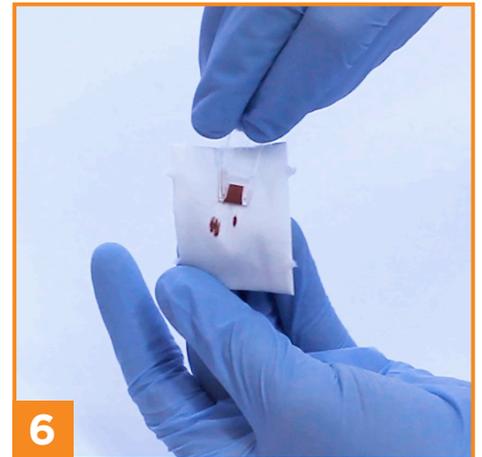
**4** Apply light pressure towards the fingertip (but not past the first knuckle) until a blood drop appears. Wipe away the first 3 drops and make sure there is a free blood flow before filling the cuvette with the fourth drop.



**5** Be sure to have a sufficient sized blood drop to fill the cuvette.

Fill the cuvette completely by touching the corner of the cuvette to the blood drop. Do not refill the cuvette.

If a cuvette cannot be filled in one continuous process, or if the cuvette contains air bubbles, discard the cuvette and use a new one, repeating steps 4 and 5.



**6** Gently wipe off the excess blood on the outside of the cuvette with a gauze pad. Be sure to gently wipe both sides. Do not wipe too close to the open end as this can draw blood out of the cuvette.

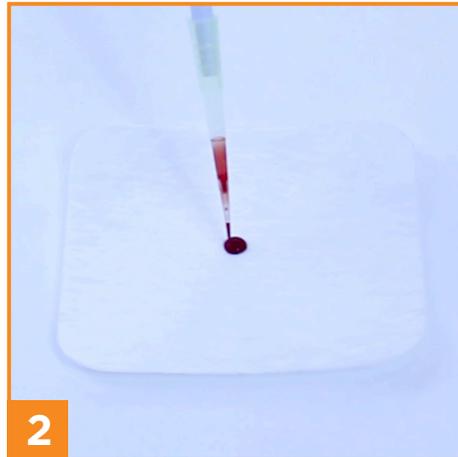
**PROCEED TO MEASURING SECTION**

## Venous Sampling

If a venous sample cannot be run immediately, it may be refrigerated for up to 72 hours. If the blood is refrigerated, then the blood should be allowed to reach room temperature before testing. K2-EDTA or lithium heparin tubes may be used. With gloved hands, take a DiaSpect Tm Cuvette out of the foil bag and close the bag.



Make sure the sample is at room temperature before testing. Mix the tube by gentle inversion **at least 8 times**.



Place a drop of blood onto a hydrophobic surface (e.g. Parafilm) using a commercially available transfer pipette or DIFF-SAFE® Blood Dispenser.



Fill the cuvette completely by touching the corner of the cuvette to the blood drop. **Do not** refill the cuvette. If a cuvette cannot be filled in one continuous process, or if the cuvette contains air bubbles, discard the cuvette and use a new one, repeating steps 1 and 2.



Gently wipe off the excess blood on the outside of the cuvette with a gauze pad. Be sure to gently wipe both sides. Do not wipe too close to the open end as this can draw blood out of the cuvette.

**PROCEED TO MEASURING SECTION**

## Running controls

A DiaSpect Control HBT Set is available separately for use with the DiaSpect Tm. Contact your distributor representative for further information.

DiaSpect control solutions are available to facilitate compliance with local, state and/or federal regulations or accreditation requirements. The DiaSpect Control HBT is produced in three concentrations that correspond to three known levels of human hemoglobin. Control values must fall within the ranges on the vial labels and insert.

If controls are not in range, repeat with a new cuvette. If values are still out of range, contact Technical Support at [support@ekf-diagnostic.de](mailto:support@ekf-diagnostic.de) or your local distributor. Follow local guidelines for testing quality control materials.

## Running controls (continued)

With gloved hands, take a DiaSpect Tm Cuvette out of the foil bag and close the bag.



1 Mix the control solution by gentle inversion 5 times immediately before sampling. Open the vial and discard the first drop.



2 Dispense a second drop of the control solution onto a hydrophobic surface (e.g. Parafilm).



3 Gently wipe off the excess control solution on the outside of the cuvette with a gauze pad. Be sure to gently wipe both sides. Do not wipe too close to the open end as this can draw control solution out of the cuvette.

Fill the cuvette completely by touching the corner of the cuvette to the drop. Do not refill the cuvette. If a cuvette cannot be filled in one continuous process, or if the cuvette contains air bubbles, discard the cuvette and use a new one with a new drop of control solution.

## Measuring



1 Insert the filled cuvette in the cuvette holder.



2 Press down gently until you feel a "click" and hold in position until the result appears on screen.



3 **Pull the cuvette out of the DiaSpect Tm quickly.**

Dispose of the used cuvette in a container for potentially infectious waste. Record the test result as soon as the checkmark is shown.



4 The result will remain on the display until replaced by the next measurement. To erase the latest result, press down on the empty cuvette holder.

### Warnings and Precautions

Use only completely filled cuvettes for measuring. Keep filled cuvette horizontal and take the reading within 1 minute of filling.

## Cleaning



Pull the backside of the cuvette holder slightly towards you and lift up.



Using a swab, clean the cuvette holder with cold water or a mild detergent, followed by disinfectant. Dry thoroughly.



Re-insert the dry cuvette holder by pressing down until you feel a "click".



Clean device with cold water or mild detergent, followed by disinfectant

### Warnings and Precautions

**Do not spray the instrument when cleaning, as this will damage the instrument!**

Only use wipes lightly dampened in water/detergent/disinfectant for cleaning and disinfection.

To disinfect the instrument, use conventional solvent-free surface disinfectants, or alcohol based substances such as 70% isopropyl alcohol. DiaSpect Medical GmbH recommends the use of Kohrsolin® FF. Please note the application instructions of the Manufacturer.

## Trouble shooting

SYMPTOM	POSSIBLE CAUSE	CORRECTION
Unexpectedly high/low result	Improper sample	Repeat the sampling. Make sure that the sampling is done correctly.
Error E01	Calibration lost	Contact Technical Support.
Error E02	Sensor read error	Repeat measurement with the same cuvette.
Error E03	Self-check failed	E03 may be displayed if a filled cuvette is left in the cuvette holder, or was removed too slowly. In order to reset the self-check function, press down on the empty cuvette holder. The screen should display "---" and a "√".
Error E04	Light source too dark	Remove cuvette from cuvette holder. Press cuvette holder several times until the screen reads "---" and a "√" appears.
Error E05	Light source too bright	Remove cuvette from cuvette holder. Press cuvette holder several times until the screen reads "---" and a "√" appears.
Error E07	Battery too low to perform measurements	Recharge the battery.
Display blank, measuring not possible	Battery completely discharged	To recharge the battery, connect with a power outlet or computer and charge for a minimum of 4 hours. If recharging fails, contact Technical Support.

If errors persist, contact Technical Support at [support@ekf-diagnostic.de](mailto:support@ekf-diagnostic.de) or your local distributor.

**Distributor**

**Manufacturer**

DiaSpect Medical GmbH  
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