

→REF KST80100EP | KST80100G5 | KST80100GP

## Sampling of capillary blood for the determination of the 25-OH vitamin D status

### Content of the dry-blood collection system

**KST80100EP:** 1 sampling device [SAMPLING DEVICE], 1 desiccant bag, 2 lancets [LANCET], 1 alcohol pad [WIPE], 1 plaster [PLASTER], 1 instruction for sample collection, 1 envelope

**KST80100G5:** 5 sampling devices [SAMPLING DEVICE], 5 desiccant bags, 7 lancets [LANCET], 5 alcohol pads [WIPE], 5 plasters [PLASTER], 1 instruction for sample collection, 5 envelopes

**KST80100GP:** 20 sampling devices [SAMPLING DEVICE], 20 desiccant bags, 22 lancets [LANCET], 20 alcohol pads [WIPE], 20 plasters [PLASTER], 1 instruction for sample collection, 20 envelopes

|                   |   |         |
|-------------------|---|---------|
| [SAMPLING DEVICE] | Immundiagnostik AG, Bensheim, Germany     | CE      |
| [LANCET]          | Sarstedt AG & Co., Nümbrecht, Germany     | CE 0124 |
| [WIPE]            | B. Braun Melsungen AG, Melsungen, Germany |         |
| [PLASTER]         | BSN medical GmbH, Hamburg, Germany        | CE      |

### Important Notes

1. Read and follow the test instructions carefully. Remove test components only when using them immediately.
2. In the sealed bag with the sampling device you find a desiccant bag. It is important that you open the sealed bag only to take out the sampling device plus the lancet and then once again to return the sampling device after sampling. **Otherwise, always keep the sealed bag closed.** Only so is ensured that your sample reaches the laboratory dryly. A high humidity can falsify the test results!
3. Put a clean disposable cloth ready (e. g. handkerchief, kitchen roll).

### Test Procedure

1. Label the sampling device in block letters on the front page with the requested information (Fig. 1).
2. Capillary blood sampling:
  - a. Wash your hands with soap and warm water and wipe them with a clean, dry towel.
  - b. Remove the lancet from the bag, put lancet and alcohol pad ready.
  - c. Prepare lancet: Turn the yellow protection pin clockwise and remove it (Fig. 2).
  - d. Massage the fingertip and wipe it with an alcohol pad. Wait until the fingertip is dry. Press the lancet with the unsecured end firmly onto the side of the fingertip and then press the yellow release button (Fig. 3). Wipe off the first drop of blood with a clean cloth. Point the hand with the punctured finger downwards and gently squeeze the finger in direction of the fingertip to ensure sufficient capillary blood flow.
  - e. Hold the finger over the provided circular and pre-punched sample window (spot) and let the blood drop directly from the finger in the spot (Fig. 4) until it is filled. The size of the spot is selected to absorb 50 µl of blood. That is why it is important to drain as much blood, that the spot is completely filled with capillary blood



Fig. 1: Sampling device



Fig. 2

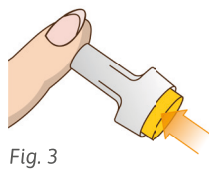


Fig. 3

### Please note:

Fill the spot **completely**.

Spots that are not filled completely won't be measured!

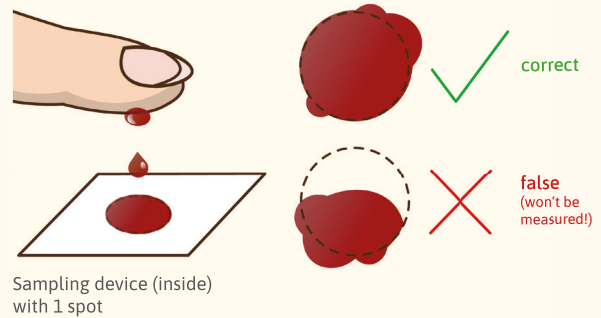


Fig. 4: Sample application

3. Clean all contaminated surfaces carefully. Dispose all test components in conventional garbage.
4. Air-dry the test for at least 60 minutes, then put it together with the desiccant bag into the provided resealable bag. **Please note: Do not expose the sampling device to direct sunlight! Do not dry on radiators!**
5. Send the sampling device (together with the desiccant bag) in a closed envelope within the next 48 h to the laboratory.
6. If you have any questions please contact Preventis GmbH.

### Test Characteristics

**Measuring range:** The test measures vitamin D in a concentration range of 2,3 ng to 150 ng/ml.

The performance data for precision in sampling, for tests within one test run or the comparison of several test runs are as follows:

|                               | Samples | Measurements | CV (%) |
|-------------------------------|---------|--------------|--------|
| Accuracy of sample collection | 2       | 20           | 2,6    |
| Intra Assay                   | 2       | 40           | 5,4    |
| Inter Assay                   | 4       | 35           | 8,2    |

Table 1: Performance data for dry-blood samples

**Interferences:** The test shows no interferences with biotin.

The evaluation of the **PreventID® Vital-D** is performed with the modified ELISA diagnostics specifically developed for dry blood samples by Immundiagnostik. We assume no responsibility for the correctness of results gained with other assays.

US: all products: Research Use Only. Not for use in diagnostic procedures.

|                                |                                   |
|--------------------------------|-----------------------------------|
| Temperature limitation         | Manufacturer                      |
| IVD In vitro diagnostic device | LOT Lot number                    |
| REF Catalogue number           | Expiry date                       |
| →REF To be used with           | Do not reuse                      |
| Read user instructions         | Contains sufficient for <n> tests |
| Keep away from sunlight        |                                   |

CE Status: 2021-02-01

Distributed by:  
**Preventis GmbH**  
 Stubenwald-Allee 8a  
 64625 Bensheim, Germany  
 Phone: +49 6251 70711-0  
 Fax: +49 6251 70711-299  
 info@preventis.com  
 www.preventis.com