

PREVENTIS *SmartTest Pro*<sup>®</sup>

# Vitamin D

App-based vitamin D  
determination



PREVENTIS

# The innovative vitamin D determination with rapid test & app



**Preventis SmarTest Pro<sup>®</sup> Vitamin D** is a combination of rapid test and app for the quantitative determination of the vitamin D level.

The test is performed and evaluated directly in the doctor's office or pharmacy. A small blood sample is taken quickly and easily from the fingertip. After 15 minutes, the result of the rapid test can be quantified via the **SmarTest Vitamin D** app. This allows you to give immediate advice to your patient.

# Vitamin D supports your health

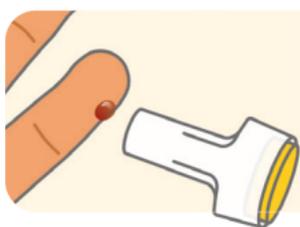
Vitamin D plays an important role in our metabolism, especially for bone health. The body is able to produce vitamin D naturally in the skin through exposure of sunlight. Hence it is often referred to as the sunshine vitamin. Unfortunately, the low amount of sunshine in winter, as well as our modern lifestyle – especially the use of sunscreens and little time spent outside – increase the risk for vitamin D deficiency. In Germany, about 62% of adults between 18 and 79 years of age are insufficiently supplied with vitamin D<sup>1</sup>.

## **An optimal vitamin D level can help to<sup>2,3,4</sup>**

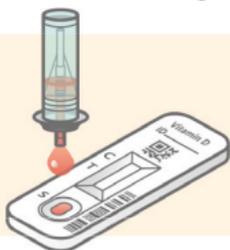
- ✓ ensure healthy bones and prevent osteoporosis and rickets
- ✓ prevent high blood pressure
- ✓ strengthen the functionality of extremities
- ✓ have a positive influence on diabetes, autoimmune and cardiovascular diseases
- ✓ protect against infectious diseases, this also applies to COVID-19.

# How does the vitamin D test work?

The procedure is performed by medical professionals in the doctor's office or pharmacy.



Blood sample collection



Sample application to the test cassette



15 minutes incubation time



Evaluation through the **Smartest Vitamin D** app



The vitamin D level is displayed directly on the smartphone

# What are the advantages of the rapid test?



- ✓ Performance and evaluation directly in the doctor's office or pharmacy – no waiting for laboratory results
- ✓ Vitamin D determination in a few minutes
- ✓ Collection of a small blood sample from the fingertip
- ✓ Expert advice available immediately after the test
- ✓ Optimal adjustment of vitamin D dosage through regular monitoring

1. Deutsche Gesellschaft für Ernährung e. V. (DGE) (Hg). 13. DGE-Ernährungsbericht. Bonn (2016), S. 41–47.
2. Bischoff-Ferrari HA. Optimal serum 25-hydroxyvitamin D levels for multiple health outcomes. *Adv Exp Med Biol*. 2014; 810:500-25. doi: 10.1007/978-1-4939-0437-2\_28.
3. Panagiotou G, Tee SA, Ihsan Y, et al. Low serum 25-hydroxyvitamin D (25[OH]D) levels in patients hospitalised with COVID-19 are associated with greater disease severity. *Clin Endocrinol (Oxf)*. 2020;10.1111/cen.14276. doi:10.1111/cen.14276 [published online ahead of print, 2020 Jul 3].
4. Kimball SM, Mirhosseini N, Holick MF. Evaluation of vitamin D3 intakes up to 15,000 international units/day and serum 25-hydroxyvitamin D concentrations up to 300 nmol/L on calcium metabolism in a community setting. *Dermatoendocrinol*. 2017;9(1):e1300213. Published 2017 Apr 13. doi:10.1080/19381980.2017.1300213.



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