



## VITAMIN D RAPID TEST

Rapid test for the semi-quantitative detection of 25-hydroxy vitamin D in human whole blood



C	<b>DEFICIENT</b>	0-10 (ng/mL) 0-25 (nmol/L)
T	<b>INSUFFICIENT</b>	10-30 (ng/mL) 25-75 (nmol/L)
C	<b>SUFFICIENT</b>	30-100 (ng/mL) 75-250 (nmol/L)
T	<b>EXCESS</b>	>100 (ng/mL) >250 (nmol/L)

### VITAMIN D

Vitamin D refers to a group of fat-soluble secosteroids responsible for increasing intestinal absorption of calcium, iron, magnesium, phosphate and zinc. It's an essential element, involved in many biological processes, both produced by the skin (vitamin D3) or intaken with diet (vitamin D2 and D3). Vitamin D is metabolized by the liver as 25-hydroxy-vitamin D.

Average daily vitamin D intake is often inadequate to maintain optimal levels leading to potential diseases: many countries worldwide report very high prevalence of vitamin D status (24% in US and 40% in EU).

### WHO ARE THE INTENDED USERS

Healthcare professionals with patients who are suffering from osteoporosis, diabetes and immune disease. In addition to anyone who easily gets tired and gets inadequate sun exposure and limited oral intake. It's also useful to prevent deficiency-related conditions, personalizing treatments and supplementation and monitoring food supplements intake.

### TEST PRINCIPLE

VITAMIN D RAPID TEST is a rapid lateral flow immunochromatographic assay for the semi-quantitative detection of 25-hydroxy vitamin D (25 (OH) D) in human whole blood, thanks to special gold conjugate antibodies embedded to a test strip.

### TECH SPECS

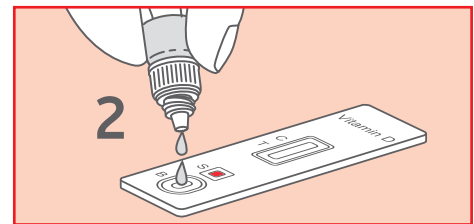
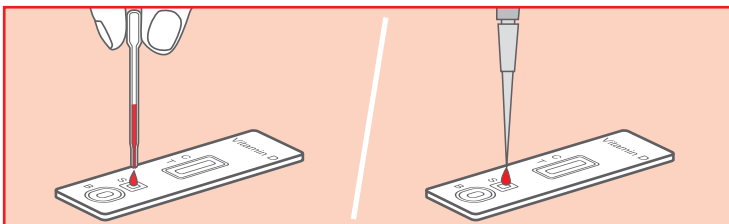
CUT-OFF	RANGE OF MEASUREMENTS	OVERALL ACCURACY
30 ± 4 ng/mL	10-100 ng/mL	94,40%

Performance data obtained by comparing the test with another EC marked Vitamin D Rapid Test.

### CLINICAL EVIDENCES

- Grant WB, Holick MF (June 2005). Benefits and requirements of vitamin D for optimal health: a review. *Alternative Medicine Review*. 10 (2): 94-111.
- Moyad MA. Vitamin D: a rapid review. *DermatolNurs*. 2009, 21:25-30
- Holick MF (March 2006). "High prevalence of vitamin D inadequacy and implications for health". *Mayo Clinic Proceedings*. 81 (3): 353-73.

### HOW TO USE IT



**CONTENT:** 20 test cassettes; 20 pipettes; 20 vials with diluent; 1 color card; 1 instructions for use leaflet.

REF	DESCRIPTION	NUMBER OF TESTS	SHELF LIFE
100066IP-20P	VITAMIN D RAPID TEST	20 TESTS	24 MONTHS