

# AFIAS Vitamin D

Quantitative Vitamin D test provide a significant health benefits to users as well as, being convenient and affordable. AFIAS Vitamin D is fully automatic POCT device that user can walk away after drop samples on the all-in-one cartridge. AFIAS Vitamin D is not only suitable for POCT, but also in laboratories and hospitals that run smaller volumes of tests.

- Fully Automatic POCT device
- Vitamin D Standardization-certified Program(VDSCP) product
- All-in-one Cartridge with No hidden cost
- Room temperature storage



## What is Vitamin D?

Vitamin D, otherwise known as the "Sunshine Vitamin", plays a major role in helping people achieve good health, including maintaining strong bones and adequate calcium levels in the blood. Unfortunately, more people are working longer hours indoors and thus limiting their sun exposure. Reports now show that over 1 billion people worldwide are vitamin D deficient.<sup>[1]</sup>

## Benefits of Vitamin D

- Bone Health
- Boosts Immunity
- Cuts Cancer Risk
- Maintains Body Weight
- Reduces Inflammation
- Blood Sugar Regulation
- Reduces Autoimmunity
- Improves Hearts and Muscle Function

## Vitamin D Deficiency Occurs

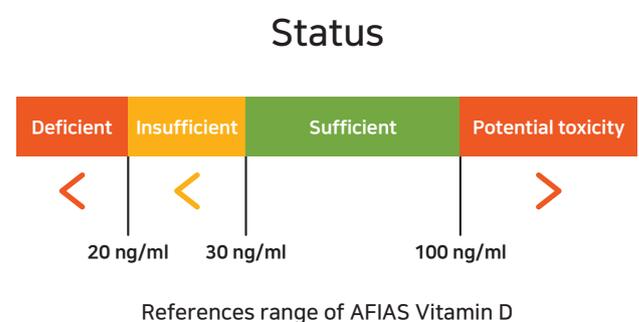
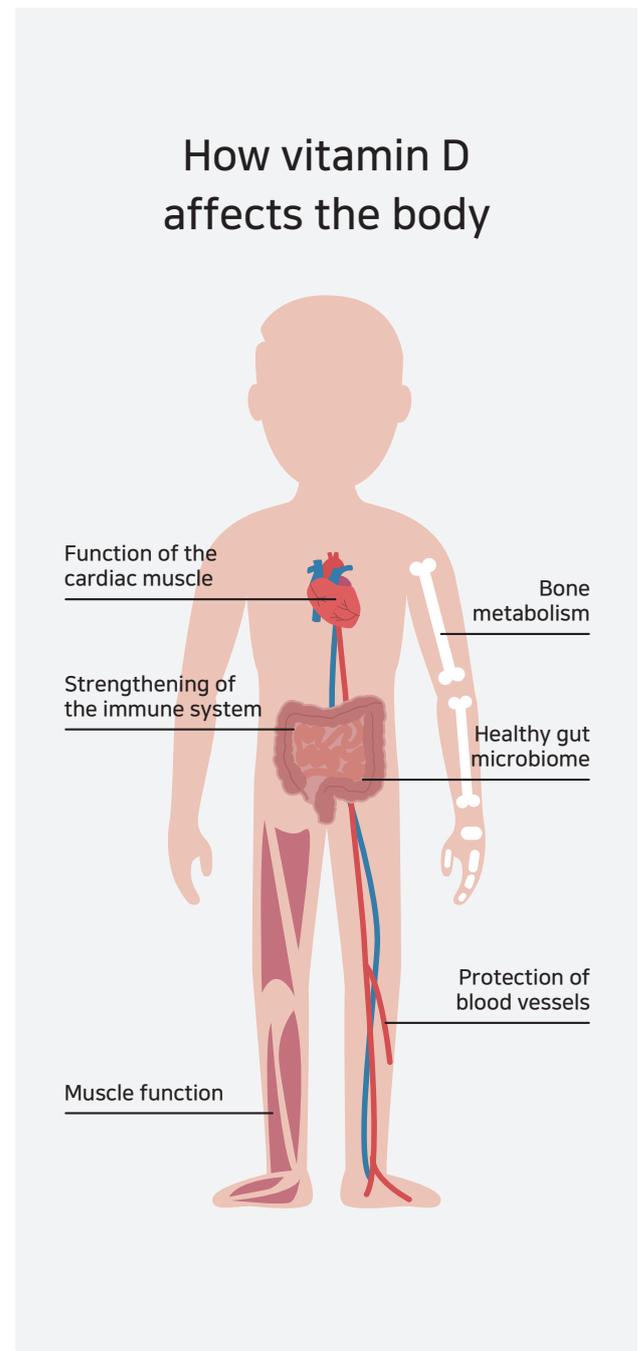
- Poor Dietary Intake
- Reduced Sun Exposure
- Use of Sunblock
- Regional and Cultural behavior
- Low Concentration of Melanin in Skin
- Quarantine from Pandemic

## Vitamin D status in region

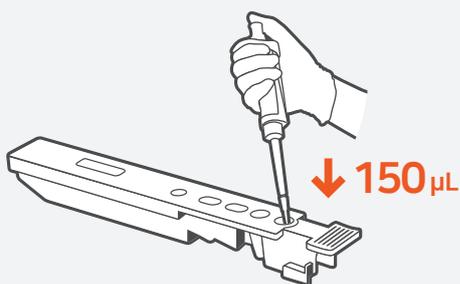
Vitamin D deficiency is evident throughout the worldwide population at prevalence rates that are concerning and that require action from a public health perspective. What direction these strategies take will depend on each regions' policy but should aim to ensure vitamin D intakes that are protective against vitamin D deficiency in the majority of the population.<sup>[2]</sup>

## References

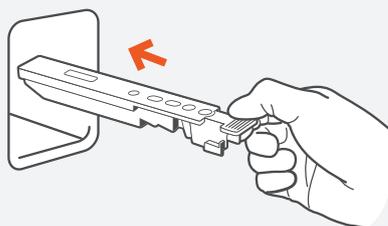
1. Holick MF. Vitamin D deficiency. N Engl J med 2007;357:266-81.
2. Am J Clin Nutr. Vitamin D deficiency in Europe: pandemic.2016 Apr;103(4):1033-44



- 1 Take sample with a pipette and dispense it into the sample well on the cartridge.



- 2 Insert the cartridge fully into the cartridge holder.



- 3 To start the test, tap the 'START' icon on the screen.



- 4 The test result will be displayed on the screen in 28 minutes.



## Clinical benefits of POCT Vitamin D

A test result delivered to patients in 28 minutes – while patients are still at the physician's office, compared to hours later if a sample must be sent out to traditional laboratories.

On-demand testing will increase the facilitating better quality of service and practice.

The patient's satisfaction with clinical treat will increase.

Clinical diagnosis will allow doctors to test for Vitamin D deficiency and initiate treatment or monitor Vitamin D levels and adjust supplementation levels during the same face-to-face visit.

## Why AFIAS Vitamin D

- Boditech Vitamin D is stable at various temperature and possible to store in room temperature.(2-30 °C)
- Each cartridge is sealed with moisture absorber for dehumidification.
- Long shelf life and compact packaging is suitable to use at the hospital and clinics.
- AFIAS Vitamin D can provide reliable and accurate result with proven stability to anyone anywhere at anytime.

## VDSCP Certified Product

Boditech AFIAS Vitamin D is a POCT device, which can quantitatively determine Vitamin D concentration in blood. AFIAS Vitamin D is certified through Vitamin D Standardization-Certification Program from CDC each quarter. To provide accuracy and stability of the product consistency obtaining VDSCP program to ensure the quality of the product.

## Specification

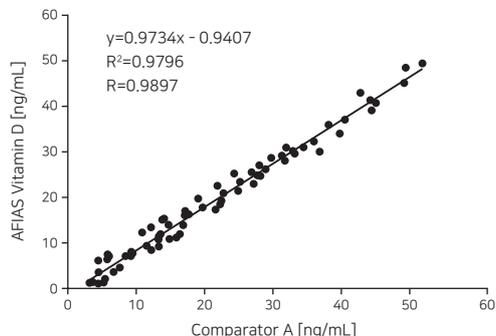
Sample type	Serum / Plasma (available EDTA, Heparin, sodium citrate)
Sample volume	150 µL
Assay time	28 min
Measuring range	8.0-70.0 ng/mL (20.0-175.0 nmol/L)
Controls	Available
Storage conditions	All-in-one cartridge at 2-30 °C

## AFIAS Vitamin D

AFIAS Vitamin D is all-in-one cartridge that the user does not need other reagents or equipment to perform the test. Also, the AFIAS device is a fully automatic device that user can walk away from the device. AFIAS Vitamin D is forming with two lyophilized granules. The benefits of the dried granule formula is that it is stable in a wider range temperature. The users can store the entire test components at room temperature, helping in easier tracking and efficient test processing stable in a wider.

## Accurate and Reliable result

AFIAS Vitamin D shows high accuracy and reliable test result compare with laboratory device.



## AFIAS-1

Versatile Desktop  
Immunofluorescence Analyzer

- Automated POCT system with All-in-One cartridges
- Quick test results with reliability
- Small, compact, & light



## AFIAS-6

A compact and easy-to-use, fluorescence based POCT immunoassay analyzer.

- Automated POCT system with All-in-One cartridges
- Up to 6 different parallel tests
- Two Bay random access possible



## Ordering information

Product	Cat. No.	Size	Storage	Shelf Life
AFIAS Vitamin D	SMFP-63	24 T/Kit	2-30 °C	20 months
Boditech Vitamin D Control	CFPC-102	1 vial	2-8 °C	12 months
AFIAS-1	FPRR019	1 set		
AFIAS-6	FPRR020	1 set		