

# AFIAS Vitamin D Neo

**Fully automated POC Vitamin D test**  
**A leader among POC devices**

## **Rapid procedure**

- Total 12 min to get the result

## **Various sample type**

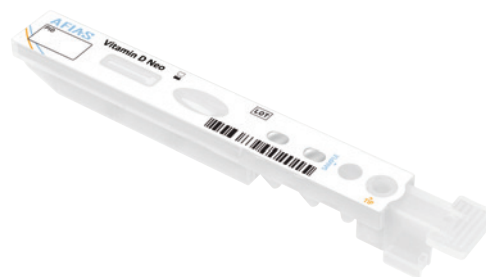
- Whole blood / Serum / Plasma

## **Wide working range**

- 5.0 – 100.0 ng/mL

## **Maximize user convenience**

- Fully automated POC device
- All-in-One cartridge for user convenience
- 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>

While vitamin D deficiency has long been associated with increased risk of rickets and osteoporosis, newer studies show an association with inadequate levels and an increased risk for cardiovascular and autoimmune disease, along with certain types of cancer.<sup>1</sup>

## Brand new AFIAS Vitamin D Neo


A test result delivers to patients in 12 minutes – while patients are still at the physician's office, compared to hours later if a sample must be sent out to traditional laboratories.

By using various sample types and AFIAS automatic procedure systems, you can test without the preparation of the sample centrifugation, and we ensure the performance with high accuracy and reliable result.

## Benefits of AFIAS Vitamin D Neo All-in-One cartridge

AFIAS Vitamin Neo is an All-in-One cartridge that the user does not need other reagents or extra equipment to perform the test. The cartridge is formed with two lyophilized granules. The benefit of the dried granule formula is that it is stable in a wider range of temperatures.

### General mode

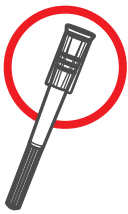


- 1 Take 100  $\mu$ L of sample with a pipette and dispense it into the sample well on the cartridge.  
**100  $\mu$ L for serum/plasma/control**  
**100  $\mu$ L for whole blood**  
Watch for  
- Bubbles  
- Underfill
- 2 Insert the cartridge fully into the cartridge holder.  
**Use provided tips only.**  
Insert a tip into the tip hole of the cartridge.
- 3 To start the test, select the sample type and tap the 'START' icon on the screen.
- 4 The test result will be displayed on the screen in 12 minutes.

## C-tip: Alternative way of collecting sample

A unique invention of Boditech's C-tip is used for small volume collection.

- You can directly collect the whole blood with our C-tip and simply put the C-tip into the tip hole of the cartridge. No pipetting required.
- This invention brilliantly combines sample collecting and sample processing all at once.



### C-tip mode

- 1 Take 30  $\mu$ L of whole blood with a C-tip.  
**30  $\mu$ L**  
Watch for  
- Bubbles  
- Underfill  
- Excess sample outside

\*Additional purchase is needed for C-tip

# AFIAS Vitamin D Neo
















Accurate



Fast



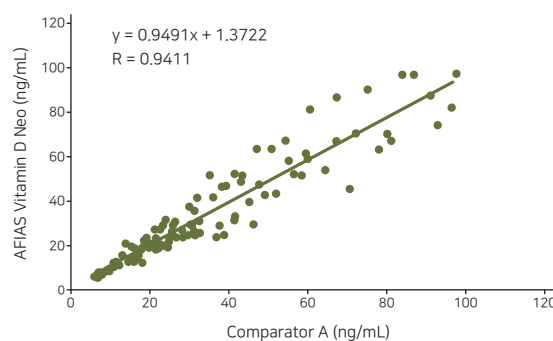
Simple

	POC		Comparator		
	AFIAS		E	L	V
<div><div>Sufficient</div><div>Insufficient</div><div>Deficient</div></div>					
			100		
			30		
			20		
			10		
1					
Vitamin D level (ng/mL)					
Sample type ▶	WB/Serum/Plasma		Serum/Plasma		
Sample volume ▶	 100 µL 30 µL (C-tip)				
Total TAT ▶	 12 Min				

## Comparability

- Boditech Med ensures that the performance of our product is equivalent and comparable to other devices.
- 100 clinical samples were used for the method comparison study (R=0.9411).

AFIAS Vitamin D Neo and  
Comparator A's comparison study



## Reference

- Holick MF. Vitamin D deficiency. N Engl J med 2007;357:266-81.

## AFIAS Vitamin D Neo can apply to

Fully automated POC system with All-in-One cartridges

### AFIAS-1



### AFIAS-6



### AFIAS-10



**Versatile device can help you to check other  
Vitamin D-related biomarkers at point!**

## Specification

Assay time	12 min with All-in-One cartridge
Sample type	Whole blood / Serum / Plasma
Sample volume	100 $\mu$ L , 30 $\mu$ L (C-tip)
Measuring range	5.0 - 100.0 ng/mL
Storage conditions	All-in-One cartridge at 2-30 $^{\circ}$ C
Controls	Available



## Ordering information

Product	Cat. No.	Size	Storage	Shelf Life
AFIAS Vitamin D Neo	SMFP-108	24 T/Kit	2-30 $^{\circ}$ C	20 months
Boditech Vitamin D control	CFPO-102	1 vial	2-8 $^{\circ}$ C	12 months
AFIAS-1	FPRR019	1 set	Room temperature	
AFIAS-6	FPRR020	1 set	Room temperature	
AFIAS-10	FPRR038	1 set	Room temperature	
C-tip (30 $\mu$ L)	CFPO-199	24 Tips/Bag	Room temperature	