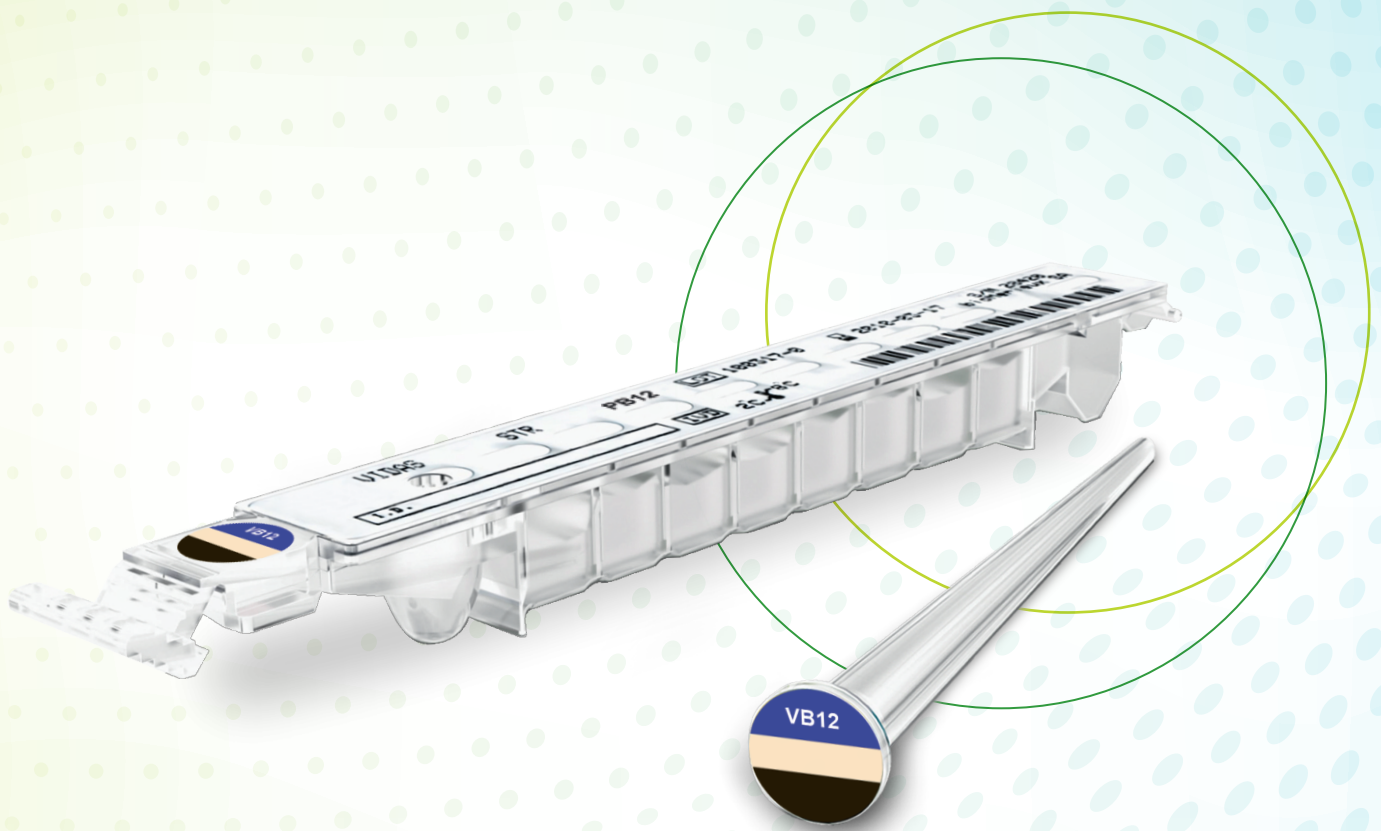


BIOMÉRIEUX

# VIDAS® VITAMIN B12 TOTAL

Automated in-house testing, adapted to your workflow.



PART OF THE VIDAS® ASSAY RANGE FOR IMMUNOCHEMISTRY



VIDAS® - TRUSTED. ROBUST. UNIVERSAL.

PIONEERING DIAGNOSTICS

## DID YOU KNOW?



Vitamin B12 (cobalamin) is a water-soluble vitamin naturally provided by foods of animal origin, but is scarce in plant-based diets. Additionally, it is available as a dietary supplement and a prescription medication.<sup>1</sup>

### Vitamin B12 plays a critical role throughout life in:

- The development, myelination, and function of the central nervous system
- DNA synthesis
- Red blood cell formation



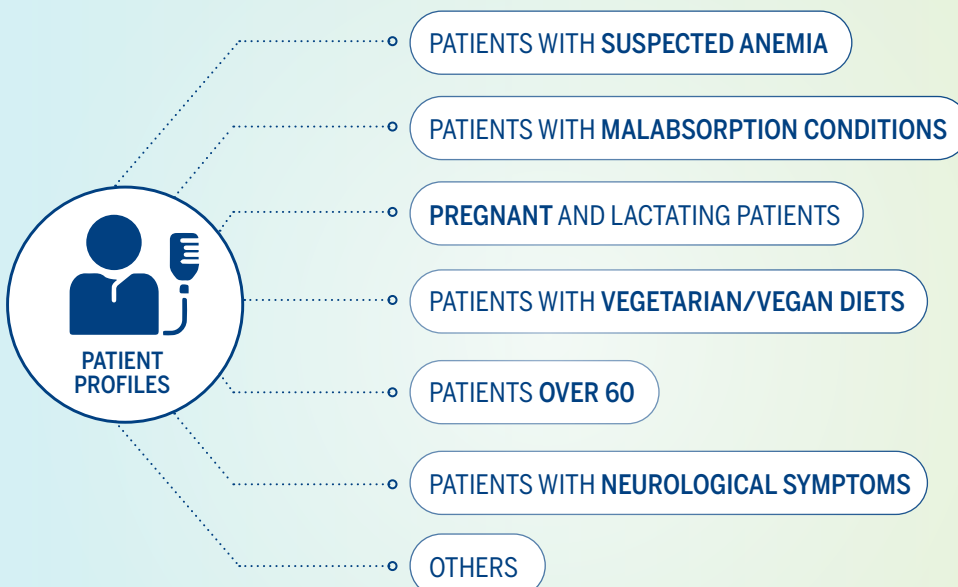
Inadequate intake or poor absorption can cause **vitamin B12 deficiency**, which can cause a wide range of non-specific clinical symptoms that vary from person to person and are sometimes difficult to recognize.

In severe cases, untreated vitamin B12 deficiency can cause irreversible neurological damage.

- **Hematological disorders** - megaloblastic anemia.
- **Neurological disorders** - such as peripheral neuropathies, cognitive deficit, depression, and psychosis.

**Therefore, measuring vitamin B12 levels is essential for ensuring appropriate management.**

## Vitamin B12 deficiency is most commonly assessed in specific patient profiles:



### GOOD TO KNOW

Detecting vitamin B12 deficiency in vegetarians and vegans can be challenging due to their high folate intake, which may mask or delay symptoms.

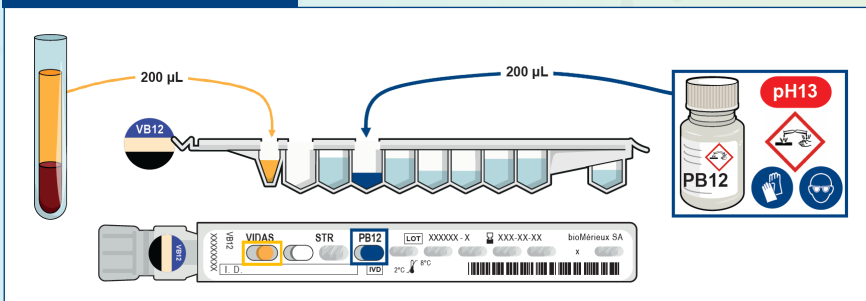
# VIDAS® VITAMIN B12 TOTAL

Automated in-house testing on a trusted platform.

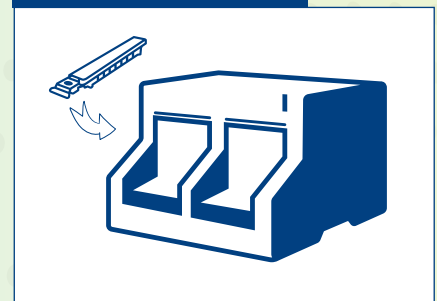
- ✓ Easy-to-perform quantitative assay
- ✓ Calibration only every three months
- ✓ Embedded sample pretreatment
- ✓ Ready-to-use reagents all included in the kit

## Optimized, two-step user experience

### 1. STRIP PREPARATION



### 2. LOAD INTO MACHINE



## Adapted to your workflow



SINGLE TEST CONCEPT  
1 PATIENT = 1 TEST

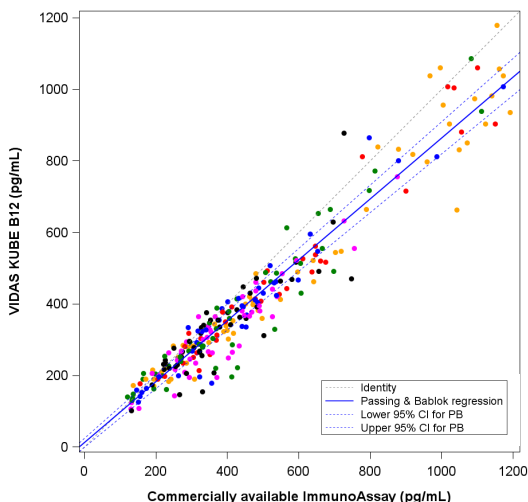


SMALL KIT SIZE  
(60 TESTS)



PATIENT RESULTS  
WITHIN 1 HOUR

## Reliable results



The assay is calibrated to WHO standard 03/178 and demonstrates good performance in terms of linearity and precision, low detection limits, and a very long recalibration frequency of 84 days.<sup>2</sup>

A method comparison study was performed and demonstrated the robustness of VIDAS® VITAMIN B12 TOTAL assay.<sup>3</sup>



# VIDAS® VITAMIN B12 TOTAL

BECAUSE IT MAKES SENSE ON VIDAS®

## AVAILABLE



on all VIDAS® platforms



## 24/7

On-demand automated testing



## 100%

automated & enhanced traceability

## All-inclusive kits

limited calibrations and controls



### VIDAS® VITAMIN B12 TOTAL

Code	VB12
Reference	424106
Kit Content	60 tests
Sample Type	Serum, Plasma (Hep.)
Sample Volume	200 µl
Calibration - Control	S1 S1 C1
Frequency	84 days
Test Time (minutes)	59
Analytical Measuring Interval (AMI)	100 < AMI < 1.200 pg/mL

**NEW** Anemia Panel - part of the VIDAS® IMMUNOCHEMISTRY range

Anemia Panel	REFERENCE
VIDAS® FERRITIN	30411
VIDAS® VITAMIN B12 TOTAL	424106
VIDAS® FOLATE	UNDER DEVELOPMENT

Some of these reagents have not yet obtained regulatory clearance in some countries and some references may vary according to these countries. Please contact your local bioMérieux representative for further information and product availability.

#### REFERENCES

- 1 National Institutes of Health Vitamin B12 - Health Professional Fact Sheet (nih.gov)
- 2 bioMérieux internal poster, June 2024 : Calibration frequency study
- 3 Poster, IFCC Wordlab, May 2024: Development of an automated assay for the quantitative determination of Vitamin B 12 TOTAL concentration