

Lab ID  
Patient ID P000060  
Ext ID 26115-0014

**Test Patient**  
Sex: Female • 56yrs • 01-Jan-70  
123 Home Street, Test Suburb VIC 3125

RECEIVED  
25-Apr-26

## Clinical Notes .

# Chemical Pathology

Specimen type - Blood-Serum 12-Jan-2025 07:14PM

| VITAMIN B12 & FOLATE | RESULT | REF - RANGE | UNITS  |
|----------------------|--------|-------------|--------|
| Active Vitamin B12   | 45.00  | > 37.50     | pmol/L |
| Folate               | 16.0   | 6.0 - 45.0  | nmol/L |

## General Chemistry Comment

ACTIVE B12 WITHIN RANGE:

Active B12 result indicates that the patient is vitamin B12 sufficient. For Patients with renal impairment, correlation with Total B12, homocysteine and/or methylmalonate is required.

SERUM FOLATE COMMENT:

High/Normal Folate levels do not necessarily reflect adequate levels of 5 MTHF (the most readily useable form of folate in the body). If the serum Folate level is low, look at the Homocysteine level which will be elevated, whilst MMA levels will be normal. Further assessments to consider: Folate Metabolism Profile (THF, Folinic Acid, 5-MTHF), MTHFR gene status.

## Methodology

## Automated Chemistry/Immunochemistry