

IMEDICAL,

For Surgery Use ☐ Urgent ☐ Ring Patient ☐ Make Appointment ☐ Note in Chart ☐ File ☐

Patient **HARVEY, TRAVIS**
Patient Address **IMEDICAL,1 UNION ST PYRMONT NSW 2009**
Sex **M** Age **35 years** DOB **19/04/1990**
Report For **IMEDICAL,**
Ref. by/copy to **IMEDICAL,**

UR No.

Requested	07/08/2025
Collected	12/08/2025 12:00 AM
Reported	19/08/2025 12:56 PM

279982

Serum Zinc 12 umol/L (10-25)

Clinical Notes : Fasting required.

Pathology Report

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TRACE ELEMENTS

+ Serum Selenium 2.26 umol/L (0.80-1.90)

Note - the above range refers to populations with "normal" low levels of environmental exposure to selenium.

In smokers and other patients naturally or occupationally exposed to unusual amounts of selenium, plasma levels of up to approximately 4.0 umol/L have been observed and are not associated with any signs of toxicity.

(Disposition of Toxic Drugs and Chemicals in Man IX, ed. Baselt, 2011)

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CUMULATIVE PLASMA HOMOCYSTEINE

Date 12/08/25
Time 00:00
Lab No 29063024

Homocysteine 13.0 umol/L (0.0-15.0)

29063024 High normal value.
With this level, the heterozygous state for defects of
transsulphuration (homocysteinaemia) is unlikely. However the
risk of coronary artery disease may be mildly elevated over the
baseline. This is independent of other risk factors.

Homocysteine Related Risk	
Plasma level (umol/L)	Risk Average
Below 9.0	No increase
9.0 - 14.9	x 2
15.0 - 19.9	x 3
20.0 or greater	x 4.5
Risks approximated from New Eng J Med 1997 (337:230-236)	

Clinical Notes : Fasting required.

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Serum Vitamin B12 Assay	573	pmol/L	(351-750)
Serum Folate Assay	47.7	nmol/L	(8.4-55.0)

Comment :

Serum Folate Assay:
Adequate Serum Folate.
In the absence of recent oral intake, a serum folate >13 nmol/L effectively rules out folate deficiency. Consider repeat fasting Folate, if there has been inadequate fasting, and clinical concern remains.

Serum Vitamin B12 Assay:
Vitamin B12 within reference interval. Tissue deficiency is unlikely.

Methodology:
B12 and Active B12 (HoloTC) assays performed on Siemens Atellica analyser.

For Doctor clinical enquiries, please contact Dr Peter Davidson 07 3121 4444.
Patients should contact their referring doctor in regard to this result.

Medicare Update - Vitamin B12 Testing (Effective 1 July 2025)
Vitamin B12 can be assessed with either Total B12 or Active B12. Recent evidence review suggest equivalent diagnostic performance. Active B12 may be preferred in pregnancy or haematological malignancy.
Homocysteine is also recommended only when B12 therapy fails to improve symptoms, as it assesses functional B12 deficiency.

Clinical Notes : Fasting required.

Pathology Report