

MARSH, JONATHAN JON  
12 TORINO WAY  
STIRLING, WA 6021  
Patient Phone :93450291  
DOB:27/07/1973 Age: 50 years Sex:M

#### INTELLIGENT, SCREENING

Collection Date: 21/11/2023 07:49 AM

**Reported:**  
23/11/2023 03:08 PM  
**UR:**  
Lab :23-84173808  
**Ref:**90010165

## **HOMOCYSTEINE (Plasma)**

Ref Range: (3.7 - 13.9)

Date	Result umol/L	Collection	Lab. No.
21/11/23	9.3	Fasting	84173808

84173808 Normal fasting homocysteine levels.  
Haematologist: Dr Peter Tan

Instrument: Siemens Atellica

## **HORMONES (Serum)**

FSH . . . . . : 2 IU/L (< 9)  
LH . . . . . : 1 IU/L (< 8)  
Oestradiol . . . . . : 79 pmol/L (< 100)

Comment:

Oestradiol performed on the Beckman Access 2.

Instrument: Siemens Atellica

## **25-HYDROXY VITAMIN D (serum)**

SERUM VITAMIN D STUDY  
-- 25-hydroxy Vitamin D 121 nmol/L (> 50)

Instrument: Diasorin Liaison

## LIPIDS (Serum)

Date	Chol mmol/L (< 5.5)	Trig mmol/L (< 2.0)	HDL-C mmol/L (> 0.9)	LDL-C mmol/L (< 3.4)	Ratio (See) (Below)	Lab. No.
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21/11/23 Fasting 3.8 1.2 1.4 1.9 2.7 84173808

**Coronary Risk Ratio Ref Values:** Average = 4.9 Twice Average = 9.5

84173808 Non-HDL-cholesterol: 2.4 mmol/L (reference interval: &lt; 4.1 mmol/L).

Lipid-related cutoffs are intended to identify patients who may benefit from overall cardiovascular risk assessment, and do not necessarily represent treatment initiation thresholds or targets, which should be individualised to the patient. See [www.cvdcheck.org.au](http://www.cvdcheck.org.au)

Instrument: Siemens Atellica

**SERUM INSULIN (Atellica)**

\* Insulin (Fasting) . . . . . : 10 mU/L (Fasting &lt; 10)

Fasting serum insulin levels of 10 to 14 mU/L suggest insulin resistance.

Instrument: Siemens Atellica

**ANDROGENS (Serum)**

Lab No	Date & Time	Testosterone (10.0 - 35.0) nmol/L	SHBG (10 - 70) nmol/L	Calculated Free Testo. (225 - 725) pmol/L
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84173808 21/11/23 07:49 14.6 24 323

84173808

Instrument: Siemens Atellica

**Coll Date:** 14/07/08 **21/11/23**  
**Coll Time:** 07:49  
**Lab No:** 2926697 84173808

Units Ref Range

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<b>HAEMOGLOBIN:</b>	154	148	g/L(130 - 170)
RCC:	4.90	4.80	x10 12/L (4.50 - 6.50)
PCV:	0.440	0.425	(0.400 - 0.540)
MCHC:	349	348	g/L(315 - 360)
MCV:	91	89	fL (80 - 98)
MCH:	31.7	30.8	pg (27.0 - 34.0)
RDW:	12	12	% (< 16)
<b>PLATELETS :</b>	349	310	x 10^9/L (150 - 450)
<b>WCC :</b>	7.1	5.8	x 10^9/L (4.0 - 11.0)
Neutrophils:	4.0	3.5	" (2.0 - 8.0)
Lymphocytes:	2.3	1.7	" (1.0 - 4.0)
Monocytes:	0.6	0.3	" (0.2 - 1.2)
Eosinophils:	0.2	0.2	" (< 0.7)
Basophils:	0.0	0.1	" (< 0.2)
<b>ESR :</b>	9		mm/H (1 - 25)

**2926697****84173808**

Please file until superseded.

**CUMULATIVE THYROID FUNCTION TEST (serum)**

	TSH (mIU/L) (0.40 - 4.00)	FT4 (pmol/L) (10 - 20)	FT3 (pmol/L) (3.5 - 6.5)	Lab.No.
21/11/23	1.04	12	4.9	84173808
	84173808			

Instrument: Siemens Atellica

**CUMULATIVE IRON STUDIES (serum)**

Date	Iron umol/L	Transferrin umol/L	TFN %	Ferritin ug/L	Lab.No.
21/11/23				252	84173808

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(30 - 400)

84173808 Ferritin suggests adequate iron stores.

- As ferritin is influenced by acute phase responses results in the lower-normal range (30-100) may not exclude iron deficiency.
- Ferritin levels >100 and < upper limit usually reflect adequate iron stores.
- Serum iron is useless in determining tissue iron stores.

Instrument: Siemens Atellica

## CUMULATIVE LIVER FUNCTION TEST (Serum)

Please note change in report format as of 14/12/2021

Collection Date:	21/11/23
Collection Time:	07:49
Lab No:	84173808
Bilirubin:	11 umol/L (< 21)
Alk Phos:	77 U/L (30 - 110)
Gamma GT:	38 U/L (< 51)
ALT:	46 U/L (< 56)
AST:	23 U/L (< 41)
Albumin:	50 g/L (38 - 50)
Protein:	74 g/L (60 - 80)
Globulin Gap:	24 g/L (22 - 38)

84173808

Instrument: Siemens Atellica

Magnesium (serum) . . . : 0.86 mmol/L (0.70 - 1.10)

Instrument: Siemens Atellica

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**TOTAL CK (Serum) (Reference Range (< 200) )**

Date	Time	Result U/L	Lab. No.
21/11/23	07:49	63	84173808

Instrument: Siemens Atellica

Calcium (serum) . . . . : 2.48 mmol/L (2.10 - 2.60)  
 Albumin (serum) . . . . : 50 g/L (38 - 50)  
 Corrected Calcium . . . . : 2.32 mmol/L (2.10 - 2.60)

Instrument: Siemens Atellica

**CUMULATIVE ELECTROLYTES (Serum)**

Date	Time	Na mmol/L (135 - 145)	K mmol/L (3.5 - 5.2)	Cl mmol/L (95 - 110)	HCO <sub>3</sub> mmol/L (22 - 32)	Urea mmol/L (3.0 - 8.0)	Creat umol/L (60 - 110)	Lab. No.
21/11/23	07:49	142	4.8	104	29	4.4	69	84173808

eGFR : > 90 mL/min/1.73m<sup>2</sup>

EGFR by CKD-EPI formula (Med J Aust 2012; 197:222 -223).

Instrument: Siemens Atellica

**HIGH SENSITIVITY CRP (Serum)**

Date	Time	Result mg/L	Lab. No.
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21/11/23 07:49 1.69 84173808

Expected Values for healthy individuals:

Low risk for cardiovascular disease prediction: &lt;1 mg/L

Average risk for cardiovascular disease prediction: &gt;1 mg/L and &lt; 3 mg/L

High risk for cardiovascular disease prediction: &gt;3 mg/L

Please note that above ranges are only relevant for healthy individuals.  
Results should be viewed with extreme caution when the patient is  
suffering from any illness or ailment.

Instrument: Siemens Atellica

Uric Acid (serum) . . . : 0.36 mmol/L (0.18 - 0.44)

Instrument: Siemens Atellica

Phosphate (serum) . . . : 1.18 mmol/L (0.75 - 1.50)

Instrument: Siemens Atellica

AST (serum) . . . . . : 23 U/L (&lt; 41)

Instrument: Siemens Atellica

LD (serum) . . . . . : 129 U/L (120 - 250)

Instrument: Siemens Atellica

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**GLUCOSE (Serum)**

Glucose (Fasting). . . . : 5.1 mmol/L (&lt; 5.5)

Normal &lt;5.5; Impaired fasting 6.1-6.9; Diabetic &gt;6.9 (F), &gt;11.0 (random)

Comment :

Instrument: Siemens Atellica