

Investigations:

ANSELL, AYL
182 OLD TURRAWAN RD, NARRABRI. 2390
Phone: 0448698920
Birthdate: 17/08/1996 Sex: F Medicare Number: 2831952311
Your Reference: 00012850 Lab Reference: 23-24481738-CRP-0
Laboratory: Lavery Pathology
Addressee: DR NAVIN ERATHNAGE Referred by: DR NAVIN ERATHNAGE

Name of Test: C-REACTIVE PROTEIN (CRP-0)
Requested: 07/09/2023 Collected: 14/09/2023 Reported: 14/09/2023 22:39

C-REACTIVE PROTEIN
Request Number 25649450 24481738
Date Collected 2 Mar 21 14 Sep 23
Time Collected 09:36 10:56
Specimen Type: Serum
CRP (< 6.0) mg/L < 4.0 < 4.0

Requested Tests : VBF*, TFT, GLU*, CRP, MBA*, LIP, FE*, FBE

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Phone: 0448698920
Birthdate: 17/08/1996 Sex: F Medicare Number: 2831952311
Your Reference: 00012850 Lab Reference: 23-24481738-TFT-0
Laboratory: Lavery Pathology
Addressee: DR NAVIN ERATHNAGE Referred by: DR NAVIN ERATHNAGE

Name of Test: THYROID FUNCTION TEST (TFT-0)
Requested: 07/09/2023 Collected: 14/09/2023 Reported: 14/09/2023 22:39

THYROID PROFILE
Request Number 25649450 24481738
Date Collected 2 Mar 21 14 Sep 23
Time Collected 09:36 10:56
Specimen Type: Serum
TSH (0.5-4.0) mIU/L 1.8 0.87

Result(s) consistent with euthyroidism.

Please note the above reference intervals have been developed from a non-pregnant healthy general population study.

Requested Tests : VBF*, TFT, GLU*, CRP, MBA*, LIP, FE*, FBE

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Phone: 0448698920
Birthdate: 17/08/1996 Sex: F Medicare Number: 2831952311
Your Reference: 00012850 Lab Reference: 23-24481738-LIP-0
Laboratory: Lavery Pathology
Addressee: DR NAVIN ERATHNAGE Referred by: DR NAVIN ERATHNAGE

Name of Test: LIPID STUDIES (LIP-0)
Requested: 07/09/2023 Collected: 14/09/2023 Reported: 14/09/2023 22:39

LIPID STUDIES
Request Number 25649450 24481738
Date Collected 2 Mar 21 14 Sep 23
Time Collected 09:36 10:56

Specimen Type: Serum

Reference intervals are included for reference only, and interpretation / treatment goals should be guided by patient-specific cardiovascular risk assessment (see Australian Cardiovascular Risk Charts. Alternatively, the web-site www.cvdcheck.org.au can be accessed in order to complete a risk assessment for individual patients.)

Haemolysis	Nil	Nil
Icterus	Nil	Nil
Lipaemia	Nil	Nil

Fasting status	Fasting	Random
Chol (3.0-5.2) mmol/L	5.5	5.7
Trig (0.5-1.7) mmol/L	1.2	4.0

NVDP TARGET LIPID RANGES (MMOL/L) FOR PATIENTS AT HIGH / MODERATE RISK OF CARDIOVASCULAR DISEASE:

TOTAL CHOLESTEROL	<4.0
TRIGS (FASTING)	<2.0
HDL-C	>= 1.0
LDL-C	<2.0
NON HDL-C	<2.5

Requested Tests : VBF*, TFT, GLU*, CRP, MBA*, LIP, FE*, FBE

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Phone: 0448698920
Birthdate: 17/08/1996 Sex: F Medicare Number: 2831952311
Your Reference: 00012850 Lab Reference: 23-24481738-MBA-0
Laboratory: Lavery Pathology
Addressee: DR NAVIN ERATHNAGE Referred by: DR NAVIN ERATHNAGE

Name of Test: SERUM CHEMISTRY (MBA-0)
Requested: 07/09/2023 Collected: 14/09/2023 Reported: 14/09/2023 22:44

SERUM CHEMISTRY

Request Number	25649450	25648602	10699016	24481738
Date Collected	2 Mar 21	15 Mar 21	21 Apr 21	14 Sep 23
Time Collected	09:36	11:49	09:15	10:56
Specimen Type: Serum				

Haemolysis	Nil	Nil	Nil	Nil
Icterus	Nil	Nil	Nil	Nil
Lipaemia	Nil	Nil	Nil	Nil

Na (135-145) mmol/L	137	135		140
K (3.6-5.4) mmol/L	4.2	4.1		4.6
Cl (95-110) mmol/L	101	99		101
HCO3 (22-32) mmol/L	22	20		25
An Gap (10-20) mmol/L	18	20		19
Urea (2.5-6.7) mmol/L	5.2	3.9		4.1
Creat (45-90) umol/L	85	75		70
eGFR mL/min/1.73m^2	83	> 90		> 90
Bili (< 15) umol/L	15	10		9
AST (< 30) U/L	31	25		25
ALT (< 30) U/L	21	18		19
GGT (< 30) U/L	11	9		21
Alk Phos(20-105) U/L	78	65		80
Protein (60-82) g/L	71	72		72
Albumin (38-50) g/L	45	45	48	45
Glob (20-39) g/L	26	27		27
Ca (2.10-2.60) mmol/L			2.52	
Corr Ca (2.10-2.60)			2.42	

CPK (< 211) U/L 96
Mg (0.70-1.10) mmol/L 0.81

eGFR >=90 mL/min/1.73m² usually indicates normal kidney function but does not exclude patients with early kidney damage (those with albuminuria, haematuria or abnormal kidney imaging).

Requested Tests : VBF*, TFT, GLU*, CRP, MBA, LIP, FE, FBE

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Phone: 0448698920
Birthdate: 17/08/1996 Sex: F Medicare Number: 2831952311
Your Reference: 00012850 Lab Reference: 23-24481738-FE-0
Laboratory: Lavery Pathology
Addressee: DR NAVIN ERATHNAGE Referred by: DR NAVIN ERATHNAGE

Name of Test: IRON STUDIES (FE-0)
Requested: 07/09/2023 Collected: 14/09/2023 Reported: 14/09/2023 22:44

IRON STUDIES

Request Number	25649450	24481738
Date Collected	2 Mar 21	14 Sep 23
Time Collected	09:36	10:56
Specimen Type: Serum		
Iron (10-30) umol/L	36	32
T'ferrin(32-48) umol/L	38	42
T. Sat. (13-45) %	48	39
Ferritin(30-165) ug/L	42	31

Essentially normal iron studies.

Requested Tests : VBF*, TFT, GLU*, CRP, MBA, LIP, FE, FBE

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Phone: 0448698920
Birthdate: 17/08/1996 Sex: F Medicare Number: 2831952311
Your Reference: 00012850 Lab Reference: 23-24481738-FBE-0
Laboratory: Lavery Pathology
Addressee: DR NAVIN ERATHNAGE Referred by: DR NAVIN ERATHNAGE

Name of Test: HAEMATOLOGY (FBE-0)
Requested: 07/09/2023 Collected: 14/09/2023 Reported: 14/09/2023 22:00

HAEMATOLOGY

Request Number	25649450	24481738
Date Collected	2 Mar 21	14 Sep 23
Time Collected	09:36	10:56
Specimen Type: EDTA		
Hb (115-165) g/L	133	130
Hct (0.34-0.47)	0.38	0.38
RCC (3.9-5.8) x10 ¹² /L	4.2	4.1
MCV (79-99) fL	90	93
MCH (27-34) pg	31	32
MCHC (320-360) g/L	350	339
RDW (10.0-17.0) %	11.6	12.2
WBC (4.0-11.0) x10 ⁹ /L	6.6	6.5
Neut (2.0-7.5) x10 ⁹ /L	3.5	3.2
Lymph(1.0-4.0) x10 ⁹ /L	2.5	2.7
Mono (0.2-1.0) x10 ⁹ /L	0.5	0.5
Eos (< 0.7) x10 ⁹ /L	0.1	0.1
Baso (< 0.2) x10 ⁹ /L	0.1	0.0
Plat (150-400) x10 ⁹ /L	322	350

HAEMATOLOGY: FBC parameters are within reference range.

Requested Tests : VBF*, TFT*, GLU*, CRP*, MBA*, LIP*, FE*, FBE

ANSELL, AYL
182 OLD TURRAWAN RD, NARRABRI. 2390
Phone: 0448698920
Birthdate: 17/08/1996 Sex: F Medicare Number: 2831952311
Your Reference: 00012850 Lab Reference: 23-24481738-GLU-0
Laboratory: Lavery Pathology
Addressee: DR NAVIN ERATHNAGE Referred by: DR NAVIN ERATHNAGE

Name of Test: GLUCOSE (GLU-0)
Requested: 07/09/2023 Collected: 14/09/2023 Reported: 14/09/2023 23:13

SERUM/PLASMA GLUCOSE

Request Number 25649450 24481738
Date Collected 2 Mar 21 14 Sep 23
Time Collected 09:36 10:56
Fasting status Fasting Random
Serum (3.4-7.7) mmol/L 4.7 3.0

Low glucose result. Although no transport and centrifugation delay was evident, if clinically unexpected, a repeat collection could be considered for confirmation.

Requested Tests : VBF*, TFT, GLU, CRP, MBA, LIP, FE, FBE

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Phone: 0448698920
Birthdate: 17/08/1996 Sex: F Medicare Number: 2831952311
Your Reference: 00012850 Lab Reference: 23-24481738-VBF-0
Laboratory: Lavery Pathology
Addressee: DR NAVIN ERATHNAGE Referred by: DR NAVIN ERATHNAGE

Name of Test: B12, FOLATE, R.C.FOLATE (VBF-0)
Requested: 07/09/2023 Collected: 14/09/2023 Reported: 15/09/2023 01:06

VITAMIN B12 AND FOLATE STUDIES

Vitamin B12 179 pmol/L (301-740)
Active B12 126 pmol/L (> 40)

Serum Vitamin B12 Assay:

DEFICIENCY	BORDERLINE	SUFFICIENCY
-----+-----+-----		
<150 pmol/L	150 - 300 pmol/L	>300 - 740 pmol/L

For patients with total B12 levels in the low or borderline range, testing for active B12 (holotranscobalamin II) will automatically be performed to resolve B12 status. Active B12 is the biologically active fraction of total serum B12, and a superior indicator of B12 status. Up to 15% of individuals may have a deficiency of the carrier protein haptocorrin, which does not result in clinical B12 deficiency, despite low total B12 levels.

Serum Active B12 Assay:

This active B12 result indicates that the patient is likely to be vitamin B12 sufficient. Patients with renal impairment may still be B12 depleted despite an active B12 level within this range. For these patients, correlation with total B12, homocysteine and/or methylmalonate is required.

Requested Tests : VBF, TFT, GLU, CRP, MBA, LIP, FE, FBE

ANSELL, AYL
WARRENDELL 166 SMITHS LANE, BOHENA CREEK. 2390
Phone: 0448698920
Birthdate: 17/08/1996 Sex: F Medicare Number: 2831952311
Your Reference: 00013228 Lab Reference: 23-24481774-A1C-0
Laboratory: Lavery Pathology
Addressee: DR NAVIN ERATHNAGE Referred by: DR NAVIN ERATHNAGE

Name of Test: GLYCATED HAEMOGLOBIN (A1C-0)
Requested: 19/10/2023 Collected: 20/10/2023 Reported: 21/10/2023 00:09

Clinical notes: check up.

Clinical Notes : check up.

	<u>GLYCATED HAEMOGLOBIN (HbA1c)</u>	
Request Number	25648602	24481774
Date Collected	15 Mar 21	20 Oct 23
Time Collected	11:49	08:49
Specimen Type: EDTA		
HbA1c-NGSP (4.0-6.0) %	5.2	5.3
HbA1c-IFCC (20-42) mmol/mol	33	34

The WHO recommends that an HbA1c cut-off of $\geq 6.5\%$ (48 mmol/mol) is used to diagnose type 2 diabetes.

While it is recognised that HbA1c levels approaching this cut-off place patients at increasingly higher risk of developing diabetes ($<6.5\%$), there is no consensus as to exactly which cut-off at the lower end of the continuum to use for categorising patients as high risk. Various groups quote lower limits for at-risk patients that vary between 5.5% and 6.0% (37 and 42 mmol/mol).

Please note that HbA1c should not be used for diagnosing diabetes mellitus in the following circumstances:

- Children and young people
- Pregnancy - current or within the past 2 months
- Suspected Type 1 diabetes mellitus
- Symptoms of diabetes for <2 months
- Patients who are acutely ill
- Patients taking drugs that can cause rapid onset hyperglycaemia such as corticosteroids, antipsychotic drugs
- Acute pancreatic damage or pancreatic surgery
- Kidney failure
- Patients being treated for HIV infection

Please be cautious when requesting or interpreting HbA1c when patients:

- May have an abnormal haemoglobin
- May be anaemic
- May have an altered red cell lifespan (e.g. post-splenectomy)
- May have had a recent blood transfusion

Requested Tests : GLU*, ATO*, A1C

ANSELL, AYL
WARRENDELL 166 SMITHS LANE, BOHENA CREEK. 2390
Phone: 0448698920
Birthdate: 17/08/1996 Sex: F Medicare Number: 2831952311
Your Reference: 00013228 Lab Reference: 23-24481774-GLU-0
Laboratory: Lavery Pathology
Addressee: DR NAVIN ERATHNAGE Referred by: DR NAVIN ERATHNAGE

Name of Test: GLUCOSE (GLU-0)
Requested: 19/10/2023 Collected: 20/10/2023 Reported: 21/10/2023 11:50

Clinical notes: check up.

Clinical Notes : check up.

SERUM/PLASMA GLUCOSE

Request Number	25649450	24481738	24481774
Date Collected	2 Mar 21	14 Sep 23	20 Oct 23
Time Collected	09:36	10:56	08:49
Fasting status	Fasting	Random	Fasting
Serum (3.4-5.4) mmol/L	4.7	3.0	5.3

Normal glucose concentration.

Requested Tests : GLU, ATO*, A1C

ANSELL, AYL
WARRENDELL 166 SMITHS LANE, BOHENA CREEK. 2390
Phone: 0448698920
Birthdate: 17/08/1996 **Sex:** F **Medicare Number:** 2831952311
Your Reference: 00013228 **Lab Reference:** 23-24481774-ATO-0
Laboratory: Laverty Pathology
Addressee: DR NAVIN ERATHNAGE **Referred by:** DR NAVIN ERATHNAGE

Name of Test: MASTER AUTO ANTIBODY (ATO-0)
Requested: 19/10/2023 **Collected:** 20/10/2023 **Reported:** 23/10/2023 14:08

Clinical notes: check up.

Clinical Notes : check up.

IMMUNOLOGY

Parietal Cell Ab	Not Detected	(< 1:20)
Intrinsic Factor Ab	Negative	

No serological evidence of autoimmune gastritis and/or pernicious anaemia.

All testing performed on serum or plasma unless otherwise specified.

Requested Tests : GLU, ATO, A1C