

MARIC, MADISON
32 TALLOWOOD CRES, ERINA. 2250
Birthdate: 15/11/2015 Sex: F Medicare Number: 2539656937
Your Reference: 00043969 Lab Reference: 21-11554246-DVI-0
Laboratory: Laverty Pathology
Addressee: DR JOHN LAWSON Referred by: DR JOHN LAWSON

Name of Test: VITAMIN D (DVI-0)
Requested: 21/06/2021 Collected: 22/06/2021 Reported: 22/06/2021 17:43

VITAMIN D

Serum 25(OH) Vitamin D 82 nmol/L

Suggested decision limits for Vitamin D status:

Sufficiency	51 -200	nmol/L
Mild deficiency	25 - 50	nmol/L
Marked deficiency	< 25	nmol/L
Toxicity	>250	nmol/L

References: Vitamin D and health in adults in Australia and New Zealand:
Position Statement. MJA 2012 June 18; 196(11),686-687.

Name of Test: TRACE ELEMENTS (STE-0)
Requested: 21/06/2021 Collected: 22/06/2021 Reported: 23/06/2021 08:32

PLASMA TRACE ELEMENTS

(RI)

Zinc 15.5 umol/L (9.0-18.2)

RI = Reference Interval

Name of Test: GLUCOSE (GLU-0)
Requested: 21/06/2021 Collected: 22/06/2021 Reported: 22/06/2021 11:28

SERUM/PLASMA GLUCOSE

Fasting status	Random	
Serum	4.6	mmol/L (3.0-7.7)

Name of Test: NOVEL CORONAVIRUS PCR (NCP-0)
Requested: 21/06/2021 Collected: 22/06/2021 Reported: 23/06/2021 20:42

NOVEL CORONAVIRUS 2019 (SARS-CoV-2) PCR

Specimen: Upper respiratory tract sample
SARS-CoV-2 (COVID 19) RNA: Not Detected

Failure to detect organism-specific nucleic acid does not exclude the possibility of infection. Repeat testing may be indicated if the patient remains symptomatic or if the sample was collected early post-exposure. Please also request testing for other respiratory viruses, in addition to SARS-CoV-2, if patient is or becomes symptomatic.

This report has been notified to the Ministry of Health.

Requested Tests : RVP*, NCP, BPP

MARIC, MADISON
 32 TALLOWOOD CRES, ERINA. 2250
Birthdate: 15/11/2015 **Sex:** F **Medicare Number:** 2539656937
Your Reference: 00043970 **Lab Reference:** 21-11705252-BPP-0
Laboratory: Laverty Pathology
Addressee: DR JOHN LAWSON **Referred by:** DR JOHN LAWSON

Name of Test: BORDETELLA PERTUSSIS PCR (BPP-0)
Requested: 21/06/2021 **Collected:** 22/06/2021 **Reported:** 23/06/2021 16:21

BORDETELLA POLYMERASE CHAIN REACTION (PCR)

Specimen: Upper respiratory tract sample
Bordetella pertussis DNA: Not Detected
Bordetella parapertussis DNA: Not Detected

No evidence of Bordetella carriage. As bacterial load and the sensitivity of Bordetella PCR decreases with the duration of symptoms, Bordetella pertussis serology may be of value in patients with a cough lasting more than 4 weeks.

Name of Test: HAEMATOLOGY (FBE-0)
Requested: 21/06/2021 **Collected:** 22/06/2021 **Reported:** 22/06/2021 11:31

HAEMATOLOGY

Date Collected 22 Jun 21
Time Collected 08:35
Specimen Type: EDTA

Hb	142 g/L	(115-150)	WBC	6.2 x10 ⁹ /L	(4.0-12.5)
RCC	5.0 x10 ¹² /L	(3.9-5.6)	Neut	1.6 x10 ⁹ /L	(1.5-8.0)
Hct	0.40	(0.33-0.45)	Lymph	3.3 x10 ⁹ /L	(1.5-5.5)
MCV	81 fL	(75-90)	Mono	0.3 x10 ⁹ /L	(0.2-1.0)
MCH	29 pg	(25-31)	Eos	1.1 x10 ⁹ /L	(< 0.7)
MCHC	351 g/L	(320-360)	Baso	0.0 x10 ⁹ /L	(< 0.2)
RDW	11.8 %	(10.0-17.0)			

Plat 280 x10⁹ /L (150-480)

HAEMATOLOGY: Eosinophilia noted. Common causes include allergies, therapeutic medications, and some parasites

Name of Test: SERUM CHEMISTRY (MBA-0)
Requested: 21/06/2021 **Collected:** 22/06/2021 **Reported:** 22/06/2021 11:28

SERUM CHEMISTRY

Specimen Type: Serum
Haemolysis Nil
Icterus Nil
Lipaemia Nil

Sodium	138	mmol/L	(134-145)
Potassium	4.3	mmol/L	(3.8-5.5)
Chloride	103	mmol/L	(95-110)
Bicarbonate	25	mmol/L	(22-32)
Anion Gap	14	mmol/L	(10-20)
Urea	8.5	mmol/L	(2.5-6.0)
Creatinine	40	umol/L	(20-55)
Bilirubin	10	umol/L	(< 12)
AST	36	U/L	(< 40)
ALT	17	U/L	(< 30)
GGT	10	U/L	(< 20)
Alkaline Phosphatase	185	U/L	(85-340)
Protein	73	g/L	(63-84)

Albumin	44	g/L	(38-50)
Globulin	29	g/L	(20-39)
Calcium	2.46	mmol/L	(2.20-2.70)
Corrected Calcium	2.44	mmol/L	(2.20-2.70)
Phosphate	1.64	mmol/L	(1.20-1.80)
Magnesium	0.82	mmol/L	(0.70-1.10)

Paediatric reference intervals are guidelines only.

MARIC, MADISON
 32 TALLOWOOD CRES, ERINA. 2250
Birthdate: 15/11/2015 **Sex:** F **Medicare Number:** 2539656937
Your Reference: 00043969 **Lab Reference:** 21-11554246-FE-0
Laboratory: Laverty Pathology
Addressee: DR JOHN LAWSON **Referred by:** DR JOHN LAWSON

Name of Test: IRON STUDIES (FE-0)
Requested: 21/06/2021 **Collected:** 22/06/2021 **Reported:** 22/06/2021 18:09

IRON STUDIES

Specimen Type: Serum		
Serum Iron	29	umol/L (5-17)
Transferrin	33	umol/L (32-48)
Transferrin Saturation	45	% (13-45)
Serum Ferritin	44	ug/L (20-150)

Paediatric reference intervals are guidelines only.

Essentially normal iron studies.

Name of Test: THYROID FUNCTION TEST (TFT-0)
Requested: 21/06/2021 **Collected:** 22/06/2021 **Reported:** 22/06/2021 20:06

THYROID PROFILE

Specimen Type: Serum		
TSH	0.69	mIU/L (0.8-6.3)

Please note marginally low TSH. This may be a variation of normal or may be an early phase of thyroid dysfunction. Suggest follow up review with TFTs as clinically appropriate.

Name of Test: RESPIRATORY VIRUS PCR (RVP-0)
Requested: 21/06/2021 **Collected:** 22/06/2021 **Reported:** 23/06/2021 20:48

RESPIRATORY VIRUS PCR

Sample: Upper respiratory tract sample

Influenza A:	Not Detected
Influenza B:	Not Detected
Respiratory Syncytial Virus:	Not Detected
Parainfluenza:	Not Detected
Rhinovirus:	Not Detected
Adenovirus:	Detected at low levels
Human Metapneumovirus:	Not Detected

This test will detect influenza A virus (including seasonal, avian and swine influenza strains) but does not differentiate between strains.

"Detected at low levels" may represent a low level infection, a recent past infection, or in some cases may be a nonspecific finding. Please assess these results in conjunction with the clinical scenario.

Name of Test: THYROID FUNCTION TEST (TFT-0)
Requested: 21/06/2021 **Collected:** 22/06/2021 **Reported:** 24/06/2021 15:53

THYROID PROFILE

Specimen Type: Serum		
TSH	0.69	mIU/L (0.8-6.3)
FT4	17	pmol/L (10-22)

FT3

7.0 pmol/L (4.3-7.6)

Please note marginally low TSH. This may be a variation of normal or may be an early phase of thyroid dysfunction. Suggest follow up review with TFTs as clinically appropriate.

Requested Tests : TAA, TFT, STE, GLU, MBA, FE, FBE, DVI

MARIC, MADISON
32 TALLOWOOD CRES, ERINA. 2250
Birthdate: 15/11/2015 Sex: F Medicare Number: 2539656937
Your Reference: 00043969 Lab Reference: 21-11554246-TAA-0
Laboratory: Laverty Pathology
Addressee: DR JOHN LAWSON Referred by: DR JOHN LAWSON

Name of Test: THYROID AUTOANTIBODIES (TAA-0)
Requested: 21/06/2021 Collected: 22/06/2021 Reported: 24/06/2021 14:02

THYROID AUTOANTIBODIES

Specimen Type: Serum

Anti-Thyroglobulin Abs	< 30	U/mL	(< 61)
Anti-Thyroidal Peroxidase Abs	< 28	IU/ml	(< 60)

Over 90% of patients with autoimmune thyroiditis show moderate to high levels of Anti-Thyroidal Peroxidase Abs (anti-TPO) with Anti-Thyroglobulin Abs (anti-Tg) also present in about 90% of such patients. Up to 75% of patients with Graves' hyperthyroidism show increased anti-TPO with anti-Tg present in 50-60%. Low levels of both anti-TPO and anti-Tg may be found in up to 10% of "normal" asymptomatic adults. In most cases of autoimmune thyroid disease increased anti-TPO is the predominant finding although a small proportion of patients show a predominant increase in anti-Tg.

Please note that as of 21/09/2019, Laverty Pathology changed to the Atellica analyser for Anti-Thyroglobulin testing. Differences in individual patient results may be observed compared to the previous method. If further information is required please contact a Chemical Pathologist on 9005 7000.

Requested Tests : TAA, TFT*, STE, GLU, MBA, FE, FBE, DVI

MARIC, MADISON
32 TALLOWOOD CRES, ERINA. 2250
Birthdate: 15/11/2015 **Sex:** F **Medicare Number:** 2539656937
Your Reference: 00045022 **Lab Reference:** 21-13939640-ESR-0
Laboratory: Laverty Pathology
Addressee: DR JOHN LAWSON **Referred by:** DR JOHN LAWSON

Name of Test: E.S.R (ESR-0)
Requested: 18/08/2021 **Collected:** 20/08/2021 **Reported:** 20/08/2021
16:18

Clinical notes: Vascular leg discoloration.

Clinical Notes : Vascular leg discoloration.

	<u>HAEMATOLOGY</u>
Request Number	13939640
Date Collected	20 Aug 21
Time Collected	10:10
Specimen Type: EDTA	
ESR (< 30) mm/hr	2

Requested Tests : TFT*, GLU, ESR, MBA, LLA*, FBE, CTD*, COA

MARIC, MADISON
32 TALLOWOOD CRES, ERINA. 2250
Birthdate: 15/11/2015 Sex: F Medicare Number: 2539656937
Your Reference: 00045022 Lab Reference: 21-13939640-GLU-0
Laboratory: Lavery Pathology
Addressee: DR JOHN LAWSON Referred by: DR JOHN LAWSON

Name of Test: GLUCOSE (GLU-0)
Requested: 18/08/2021 Collected: 20/08/2021 Reported: 20/08/2021
13:48

Clinical notes: Vascular leg discoloration.

Clinical Notes : Vascular leg discoloration.

SERUM/PLASMA GLUCOSE

Request Number	11554246	13939640
Date Collected	22 Jun 21	20 Aug 21
Time Collected	08:35	10:10
Fasting status	Random	Random
Serum (3.0-7.7) mmol/L	4.6	4.7

Requested Tests : TFT*, GLU, ESR*, MBA, LLA*, FBE*, CTD*, COA*

MARIC, MADISON
 32 TALLOWOOD CRES, ERINA. 2250
 Birthdate: 15/11/2015 Sex: F Medicare Number: 2539656937
 Your Reference: 00045022 Lab Reference: 21-13939640-MBA-0
 Laboratory: Lavery Pathology
 Addressee: DR JOHN LAWSON Referred by: DR JOHN LAWSON

Name of Test: SERUM CHEMISTRY (MBA-0)
 Requested: 18/08/2021 Collected: 20/08/2021 Reported: 20/08/2021
 13:48

Clinical notes: Vascular leg discoloration.

Clinical Notes : Vascular leg discoloration.

SERUM CHEMISTRY

Request Number 11554246 13939640
 Date Collected 22 Jun 21 20 Aug 21
 Time Collected 08:35 10:10
 Specimen Type: Serum

Haemolysis	Nil	Nil
Icterus	Nil	Nil
Lipaemia	Nil	Nil
Na (134-145)	mmol/L	138
K (3.8-5.5)	mmol/L	4.3
Cl (95-110)	mmol/L	103
HCO ₃ (22-32)	mmol/L	25
An Gap (10-20)	mmol/L	14
Urea (2.5-6.0)	mmol/L	8.5
Creat (20-55)	umol/L	40
Bili (< 12)	umol/L	10
AST (< 40)	U/L	36
ALT (< 30)	U/L	17
GGT (< 20)	U/L	10
Alk Phos (85-340)	U/L	185
Protein (63-84)	g/L	73
Albumin (38-50)	g/L	44
Glob (20-39)	g/L	29
Ca (2.20-2.70)	mmol/L	2.46
Corr Ca (2.20-2.70)	mmol/L	2.44
PO ₄ (1.20-1.80)	mmol/L	1.64
Mg (0.70-1.10)	mmol/L	0.82

Paediatric reference intervals are guidelines only.

Requested Tests : TFT*, GLU, ESR*, MBA, LLA*, FBE*, CTD*, COA*

MARIC, MADISON
 32 TALLOWOOD CRES, ERINA. 2250
Birthdate: 15/11/2015 **Sex:** F **Medicare Number:** 2539656937
Your Reference: 00045022 **Lab Reference:** 21-13939640-MBA-0
Laboratory: Laverty Pathology
Addressee: DR JOHN LAWSON **Referred by:** DR JOHN LAWSON

Name of Test: SERUM CHEMISTRY (MBA-0)
Requested: 18/08/2021 **Collected:** 20/08/2021 **Reported:** 20/08/2021
 13:48

Clinical notes: Vascular leg discoloration.

Clinical Notes : Vascular leg discoloration.

SERUM CHEMISTRY

Request Number 11554246 13939640
 Date Collected 22 Jun 21 20 Aug 21
 Time Collected 08:35 10:10
 Specimen Type: Serum

Haemolysis		Nil	Nil
Icterus		Nil	Nil
Lipaemia		Nil	Nil
Na	(134-145)	mmol/L	138
K	(3.8-5.5)	mmol/L	4.3
Cl	(95-110)	mmol/L	103
HCO3	(22-32)	mmol/L	25
An Gap	(10-20)	mmol/L	14
Urea	(2.5-6.0)	mmol/L	8.5
Creat	(20-55)	umol/L	40
Bili	(< 12)	umol/L	10
AST	(< 40)	U/L	36
ALT	(< 30)	U/L	17
GGT	(< 20)	U/L	10
Alk Phos	(85-340)	U/L	185
Protein	(63-84)	g/L	73
Albumin	(38-50)	g/L	44
Glob	(20-39)	g/L	29
Ca	(2.20-2.70)	mmol/L	2.46
Corr Ca	(2.20-2.70)	mmol/L	2.44
PO4	(1.20-1.80)	mmol/L	1.64
Mg	(0.70-1.10)	mmol/L	0.82

Paediatric reference intervals are guidelines only.

Requested Tests : TFT*, GLU, ESR*, MBA, LLA*, FBE*, CTD*, COA*

MARIC, MADISON
 32 TALLOWOOD CRES, ERINA. 2250
 Birthdate: 15/11/2015 Sex: F Medicare Number: 2539656937
 Your Reference: 00045022 Lab Reference: 21-13939640-FBE-0
 Laboratory: Laverty Pathology
 Addressee: DR JOHN LAWSON Referred by: DR JOHN LAWSON

Name of Test: HAEMATOLOGY (FBE-0)
 Requested: 18/08/2021 Collected: 20/08/2021 Reported: 20/08/2021
 14:06

Clinical notes: Vascular leg discoloration.

Clinical Notes : Vascular leg discoloration.

		HAEMATOLOGY	
		11554246	13939640
Request Number		22 Jun 21	20 Aug 21
Date Collected		08:35	10:10
Time Collected			
Specimen Type: EDTA			
Hb (115-150) g/L		142	139
Hct (0.33-0.45)		0.40	0.40
RCC (3.9-5.6) x10 ¹² /L		5.0	4.8
MCV (75-90) fL		81	84
MCH (25-31) pg		29	29
MCHC (320-360) g/L		351	350
RDW (10.0-17.0) %		11.8	12.2
WBC (4.0-12.5) x10 ⁹ /L		6.2	4.8
Neut (1.5-8.0) x10 ⁹ /L		1.6	1.5
Lymph (1.5-5.5) x10 ⁹ /L		3.3	2.2
Mono (0.2-1.0) x10 ⁹ /L		0.3	0.3
Eos (< 0.7) x10 ⁹ /L		1.1	0.7
Baso (< 0.2) x10 ⁹ /L		0.0	0.0
Plat (150-480) x10 ⁹ /L		280	264

HAEMATOLOGY: Slight eosinophilia.

Requested Tests : TFT*, GLU, ESR*, MBA, LLA*, FBE, CTD*, COA

MARIC, MADISON
32 TALLOWOOD CRES, ERINA. 2250
Birthdate: 15/11/2015 Sex: F Medicare Number: 2539656937
Your Reference: 00045022 Lab Reference: 21-13939640-COA-0
Laboratory: Laverty Pathology
Addressee: DR JOHN LAWSON Referred by: DR JOHN LAWSON

Name of Test: COAGULATION STUDIES (COA-0)
Requested: 18/08/2021 Collected: 20/08/2021 Reported: 20/08/2021
14:06

Clinical notes: Vascular leg discoloration.

Clinical Notes : Vascular leg discoloration.

	<u>COAGULATION STUDIES</u>
Request Number	13939640
Date Collected	20 Aug 21
Time Collected	10:10
Specimen Type:	CIT/EDTA
INR (0.9-1.2)	1.1
APTT (23.0-32.0)secs	30.3
FIB (1.8-4.0) g/L	1.7
PT (10.0-15.0)secs	12.0
TT (13.0-20.0)secs	17.3
PLT (150-480) x10 ⁹ /L	264

Therapeutic range for intravenous unfractionated heparin is 41-69 secs.
(Based on 1.5-2.5 times the mean normal time of 27.5 secs).
Guidelines on the use and monitoring of heparin. BJH, 133, 19-34; 2006.

Effective 1.12.2020 the APTT reference interval has been modified due to reagent lot variation.

Requested Tests : TFT*, GLU, ESR*, MBA, LLA*, FBE, CTD*, COA

MARIC, MADISON
32 TALLOWOOD CRES, ERINA. 2250

Birthdate: 15/11/2015 Sex: F Medicare Number: 2539656937
Your Reference: 00045022 Lab Reference: 21-13939640-TFT-0
Laboratory: Laverty Pathology
Addressee: DR JOHN LAWSON Referred by: DR JOHN LAWSON

Name of Test: THYROID FUNCTION TEST (TFT-0)
Requested: 18/08/2021 Collected: 20/08/2021 Reported: 21/08/2021
08:37

Clinical notes: Vascular leg discoloration.

Clinical Notes : Vascular leg discoloration.

	THYROID PROFILE	
Request Number	11554246	13939640
Date Collected	22 Jun 21	20 Aug 21
Time Collected	08:35	10:10
Specimen Type: Serum		
TSH (0.8-6.3) mIU/L	0.69	0.55
FT4 (10-22) pmol/L	17	16
FT3 (4.3-7.6) pmol/L	7.0	6.5

Paediatric reference intervals are guidelines only.

Requested Tests : TFT, GLU, ESR, MBA, LLA*, FBE, CTD*, COA

MARIC, MADISON
32 TALLOWOOD CRES, ERINA. 2250
Birthdate: 15/11/2015 Sex: F Medicare Number: 2539656937
Your Reference: 00045022 Lab Reference: 21-13939640-CTD-0
Laboratory: Laverty Pathology
Addressee: DR JOHN LAWSON Referred by: DR JOHN LAWSON

Name of Test: AUTOIMMUNE (CTD-0)
Requested: 18/08/2021 Collected: 20/08/2021 Reported: 23/08/2021
16:49

Clinical notes: Vascular leg discoloration.

Clinical Notes : Vascular leg discoloration.

AUTOIMMUNE SEROLOGY

Anti-nuclear antibodies Negative

The ANA was negative at the screening dilution of 1:80. A negative ANA excludes lupus in 95% of cases. Consider ENA screening for patients with features of Sjogren's Syndrome (to detect antibodies to SS-A) and antibodies to cardiolipin, beta-2 glycoprotein 1, and lupus anticoagulant for patients with features of the anti-phospholipid antibody syndrome.

Antibodies to Extractable Nuclear Antigens (ENA)

Antibody to Sm	Not detected
Antibody to nRNP	Not detected
Antibody to SSA (Ro60)	Not detected
Antibody to SSA (Ro52)	Not detected
Antibody to SSB	Not detected
Antibody to Scl-70	Not detected
Antibody to Jo-1	Not detected
Antibody to Ribo-P	Not detected

Antibodies to the extractable nuclear antigens listed above were not detected by screening with a multiplex immunoassay. Antibodies to additional disease-associated ENAs (including PM-Scl and others) are not detectable with the current assay.

All testing performed on serum or plasma unless otherwise specified.

Requested Tests : TFT, GLU, ESR, MBA, LLA*, FBE, CTD, COA

MARIC, MADISON
32 TALLOWOOD CRES, ERINA. 2250
Birthdate: 15/11/2015 **Sex:** F **Medicare Number:** 2539656937
Your Reference: 00045022 **Lab Reference:** 21-13939640-LLA-0
Laboratory: Lavery Pathology
Addressee: DR JOHN LAWSON **Referred by:** DR JOHN LAWSON

Name of Test: ANTI LEUCOCYTE ANTIBODY (LLA-0)
Requested: 18/08/2021 **Collected:** 20/08/2021 **Reported:** 24/08/2021
14:29

Clinical notes: Vascular leg discoloration.

Clinical Notes : Vascular leg discoloration.

IMMUNOLOGY

AUTOIMMUNE SEROLOGY

Antineutrophil Cytoplasmic
Antibody (ANCA) Negative

Screening for ANCA was negative by indirect immunofluorescence at a dilution of 1:20. 5% PR-3/MPO-positive sera may be negative on screening by IIF. Suggest specific testing for proteinase-3 and myeloperoxidase if clinical suspicion of vasculitis is high.

All testing performed on serum or plasma unless otherwise specified.

Requested Tests : TFT, GLU, ESR, MBA, LLA, FBE, CTD, COA