

BURNETT, MACKENZY L
43 SUNSET CIR, PINJARRA. 6208
Phone: 0498326814
Birthdate: 06/10/1998 Sex: F Medicare Number: 6262361732
Your Reference: Lab Reference: 22-81049633-HOR-0
Laboratory: WESTERN DIAGNOSTIC PATHOLOGY
Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: HORMONES ENQUIRIES (HOR-0)
Requested: 20/10/2022 Collected: 20/10/2022 Reported: 21/10/2022
11:13

(see below)
HORMONES (Serum)

FSH	:	6	IU/L	(see below)
LH	:	6	IU/L	(see below)
Oestradiol	:	226	pmol/L	
Progesterone	:	3	nmol/L	(see below)

Comment: Results suggestive of follicular phase.

	Cycle Phase Reference Ranges			
	Follicular	Midcycle	Luteal	Perimenopausal
FSH	1 - 10	> 10	1 - 10	> 20
LH	1 - 10	> 10	1 - 10	> 20
Oestradiol	100 - 550	250 - 1300	200 - 800	< 120
Progesterone	1 - 3	4 - 6	> 6	< 3

Instrument: Siemens Atellica

Pathologist: Dr Melissa Gillett

Requested Tests : A12, HEP, VID, TF, VD, QCG, LFT, GA, EUC, LPD, IRS, INS, HOR,
HIV, HAE, GL, CA, BF, AND, ABS

*Period - Day 6
cycle*

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Your Reference: Lab Reference: 22-81049633-AND-0
Laboratory: WESTERN DIAGNOSTIC PATHOLOGY
Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: ANDROGEN STUDY ENQUIRIES (AND-0)
Requested: 20/10/2022 Collected: 20/10/2022 Reported: 20/10/2022
20:09

ANDROGENS (Serum)

Lab No	Date & Time	Testosterone (0.3 - 1.8) nmol/L	SHBG (25 - 120) nmol/L	Calculated Free Testo. (6 - 28)
86991512	06/05/21 11:45	1.0	33	18
88408573	23/05/22 09:45	1.7	27	34
81049633	20/10/22 09:10	1.0		

81049633 Suggest add SHBG to allow calculation of free testosterone index.

Instrument: Siemens Atellica

Requested Tests : A12*, HEP*, VID*, TF*, VD*, QCG*, LFT*, GA, EUC*, LPD*, IRS*,
INS, HOR*, HIV*, HIN*, HAE, GL*, CA*, BF*, AND, ABS*

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 Phone: 0498326814
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 Your Reference: Lab Reference: 22-81049633-LPD-0
 Laboratory: WESTERN DIAGNOSTIC PATHOLOGY
 Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: LIPIDS WITH RISK RATIO (LPD-0)
 Requested: 20/10/2022 Collected: 20/10/2022 Reported: 20/10/2022
 20:12

LIPIDS (Serum)

Date	Chol mmol/L (< 5.5)	Trig mmol/L (< 2.0)	HDL-C mmol/L (> 1.1)	LDL-C mmol/L (< 3.4)	Ratio (See) (Below)	Lab. No.
05/05/22 Random	3.8	0.9	1.2	2.2	3.2	87047957
20/10/22 Fasting	4.6	1.0	1.3	2.8	3.5	81049633

Coronary Risk Ratio Ref Values: Average = 4.4 Twice Average = 7.0

81049633 NHF Lipid Targets: Total Chol < 4.0, TG < 2.0, HDL-C > 1.0,
 LDL-C < 2.0, non-HDL-C <2.5mmol/L. Please note: Non-HDL
 cholesterol >2.4 mmol/L (Non-HDL cholesterol = total
 cholesterol minus HDL cholesterol)

Instrument: Siemens Atellica

Requested Tests : A12*, HEP*, VID*, TF*, VD*, QCG*, LFT, GA, EUC, LPD, IRS*,
 INS, HOR*, HIV*, HIN*, HAE, GL, CA, BF*, AND, ABS*

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Your Reference: Lab Reference: 22-81049633-IRS-0
Laboratory: WESTERN DIAGNOSTIC PATHOLOGY
Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: IRON STUDIES ENQUIRIES (IRS-0)
Requested: 20/10/2022 Collected: 20/10/2022 Reported: 21/10/2022
10:32

CUMULATIVE IRON STUDIES (serum)

Date	Iron umol/L	Transferrin umol/L	TFN Satn %	Ferritin ug/L	Lab.No.
26/03/21	15	30	25	60	87140854
08/11/21	14	29	24	58	88265256
05/05/22	24	32	38	55	87047957
20/10/22	16	32	25	43	81049633

Ref: (11 - 27) (20 - 45) (15 - 55) (30 - 200)

81049633 Low-normal ferritin may indicate adequate iron stores but iron deficiency cannot be excluded as some cases may have falsely raised ferritin by acute phase response or inflammation. Correlate with clinical state.

- 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

Haematologist: Dr Andrew McQuillan

Requested Tests : A12, HEP, VID, TF, VD, QCG, LFT, GA, EUC, LPD, IRS, INS, HOR*, HIV, HAE, GL, CA, BF*, AND, ABS

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Phone: 0498326814
Birthdate: 06/10/1998 Sex: F Medicare Number: 6262361732
Your Reference: Lab Reference: 22-81049633-A12-0
Laboratory: WESTERN DIAGNOSTIC PATHOLOGY
Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: ACTIVE VITAMIN B12 (A12-0)
Requested: 20/10/2022 Collected: 20/10/2022 Reported: 20/10/2022
20:54

Holo TC Assay (Siemens Atellica) 94 pmol/L (> 40)
(Serum Active Vitamin B12)

Comment:
No vitamin B12 deficiency.

Note from 19/07/2021, the Active B12 method has changed, and
there has been a small adjustment in the reference range.

Instrument: Siemens Atellica

Requested Tests : A12, HEP, VID, TF, VD, QCG*, LFT, GA, EUC, LPD, IRS*, INS,
HOR*, HIV, HIN*, HAE, GL, CA, BF*, AND, ABS*

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Your Reference: Lab Reference: 22-81049633-VID-0
Laboratory: WESTERN DIAGNOSTIC PATHOLOGY
Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: VITAMIN D (VID-0)
Requested: 20/10/2022 Collected: 20/10/2022 Reported: 20/10/2022
20:16

25-HYDROXY VITAMIN D (serum)

SERUM VITAMIN D STUDY
-- 25-hydroxy Vitamin D 75 nmol/L (> 50)

Levels greater than 75 nmol/L probably indicate sufficient Vitamin D.
(Hollick. NEJM 2007;Vol 357:3 266-281)

Instrument: Diasorin Liaison

Requested Tests : A12*, HEP*, VID, TF, VD*, QCG*, LFT, GA, EUC, LPD, IRS*, INS,
HOR*, HIV, HIN*, HAE, GL, CA, BF*, AND, ABS*

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Phone: 0498326814
Birthdate: 06/10/1998 Sex: F Medicare Number: 6262361732
Your Reference: Lab Reference: 22-81049633-TF-0
Laboratory: WESTERN DIAGNOSTIC PATHOLOGY
Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: THYROID FUNCTION TEST (TF-0)
Requested: 20/10/2022 Collected: 20/10/2022 Reported: 20/10/2022
20:15

CUMULATIVE THYROID FUNCTION TEST (serum)

	TSH (mIU/L) (0.40 - 4.00)	FT4 (pmol/L)	FT3 (pmol/L)	Lab.No.
12/08/20	0.69			85718853
26/03/21	1.18			87140854
06/05/21	1.21			86991512
08/11/21	1.98			88265256
05/05/22	0.50			87047957
20/10/22	1.07			81049633

81049633

Instrument: Siemens Atellica

Requested Tests : A12*, HEP*, VID*, TF, VD*, QCG*, LFT, GA, EUC, LPD, IRS*,
INS, HOR*, HIV*, HIN*, HAE, GL, CA, BF*, AND, ABS*

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Phone: 0498326814

Birthdate: 06/10/1998 Sex: F Medicare Number: 6262361732

Your Reference: Lab Reference: 22-81049633-GL-0

Laboratory: WESTERN DIAGNOSTIC PATHOLOGY

Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: GLUCOSE, RANDOM/FASTING (GL-0)

Requested: 20/10/2022 Collected: 20/10/2022 Reported: 20/10/2022
20:12

GLUCOSE (Serum)

Glucose (Fasting). . . . : 4.3 mmol/L (< 5.5)

Normal <5.5; Impaired fasting 6.1-6.9; Diabetic >6.9 (F), >11.0 (random)

Comment :

Instrument: Siemens Atellica

Requested Tests : A12*, HEP*, VID*, TF*, VD*, QCG*, LFT, GA, EUC, LPD, IRS*,
INS, HOR*, HIV*, HIN*, HAE, GL, CA, BF*, AND, ABS*

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Phone: 0498326814
Birthdate: 06/10/1998 Sex: F Medicare Number: 6262361732
Your Reference: Lab Reference: 22-81049633-LFT-0
Laboratory: WESTERN DIAGNOSTIC PATHOLOGY
Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: LIVER FUNCTION TESTS (LFT-0)
Requested: 20/10/2022 Collected: 20/10/2022 Reported: 20/10/2022
20:11

CUMULATIVE LIVER FUNCTION TEST (Serum)

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

Collection Date: 26/03/21 08/11/21 05/05/22 20/10/22
Collection Time: 13:42 16:55 09:00 09:10
Lab No: 87140854 88265256 87047957 81049633

Bilirubin:	8	7	11	9	umol/L (< 16)
Alk Phos:	60	58	62	66	U/L (30 - 110)
Gamma GT:	8	9	12	12	U/L (< 31)
ALT:	10	9	9	18	U/L (< 31)
AST:			16	24	U/L (< 31)
Albumin:	42	41	43	43	g/L (38 - 50)
Protein:	73	70	72	74	g/L (60 - 80)
Globulin Gap:			29	31	g/L (22 - 38)

Instrument: Siemens Atellica

Requested Tests : A12*, HEP*, VID*, TF*, VD*, QCG*, LFT, GA, EUC, LPD*, IRS*,
INS, HOR*, HIV*, HIN*, HAE, GL*, CA, BF*, AND, ABS*

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 Birthdate: 06/10/1998 Sex: F Medicare Number: 6262361732
 Your Reference: Lab Reference: 22-81049633-EUC-0
 Laboratory: WESTERN DIAGNOSTIC PATHOLOGY
 Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: ELECTROLYTES INC CREAT (EUC-0)
 Requested: 20/10/2022 Collected: 20/10/2022 Reported: 20/10/2022
 20:11

CUMULATIVE ELECTROLYTES (Serum)

Date	Time	Na mmol/L (135 - 145)	K mmol/L (3.5 - 5.2)	Cl mmol/L (95 - 110)	HCO3 mmol/L (22 - 32)	Urea mmol/L (3.0 - 8.0)	Creat umol/L (45 - 90)	Lab.No.
05/05/22	09:00	140	4.1	101	30	3.7	69	87047957
20/10/22	09:10	140	4.4	105	31	3.5	60	81049633

eGFR : > 90 mL/min/1.73m²

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

Instrument: Siemens Atellica

Requested Tests : A12*, HEP*, VID*, TF*, VD*, QCG*, LFT, GA, EUC, LPD*, IRS*,
 INS, HOR*, HIV*, HIN*, HAE, GL*, CA, BF*, AND, ABS*

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Your Reference: Lab Reference: 22-81049633-CA-0
Laboratory: WESTERN DIAGNOSTIC PATHOLOGY
Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: CALCIUM, CORRECTED SERUM (CA-0)
Requested: 20/10/2022 Collected: 20/10/2022 Reported: 20/10/2022
20:11

Calcium (serum) :	2.28 mmol/L	(2.10 - 2.60)
Albumin (serum) :	43 g/L	(38 - 50)
Corrected Calcium :	2.26 mmol/L	(2.10 - 2.60)

Instrument: Siemens Atellica

Requested Tests : A12*, HEP*, VID*, TF*, VD*, QCG*, LFT, GA, EUC, LPD*, IRS*,
INS, HOR*, HIV*, HIN*, HAE, GL*, CA, BF*, AND, ABS*

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Your Reference: Lab Reference: 22-81049633-INS-0
Laboratory: WESTERN DIAGNOSTIC PATHOLOGY
Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: INSULIN (INS-0)
Requested: 20/10/2022 Collected: 20/10/2022 Reported: 20/10/2022
20:08

SERUM INSULIN (Atellica)

Insulin (Fasting) : 6 mU/L (Fasting < 10)

Instrument: Siemens Atellica

Requested Tests : A12*, HEP*, VID*, TF*, VD*, QCG*, LFT*, GA, EUC*, LPD*, IRS*,
INS, HOR*, HIV*, HIN*, HAE, GL*, CA*, BF*, AND, ABS*

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Your Reference: Lab Reference: 22-81049633-GA-0
Laboratory: WESTERN DIAGNOSTIC PATHOLOGY
Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: GLYCOSYLATED HB A1C (GA-0)
Requested: 20/10/2022 Collected: 20/10/2022 Reported: 20/10/2022
20:04

GLYCATED HAEMOGLOBIN (Blood)

Date	Hb A1C %	mmol/mol (IFCC)	Lab No
06/05/21	4.5	26	86991512
05/05/22	4.4	25	87047957
20/10/22	4.6	27	81049633

Diagnostic threshold for type 2 diabetes mellitus:

>= 6.5% (>= 48 mmol/mol).

General treatment target for patients with known diabetes mellitus:

<= 7.0 % (<= 53 mmol/mol). Higher or lower targets are appropriate for some patients.

See www.wdp.com.au/HbA1c for more information on the use and interpretation of HbA1c.

Prior to conception, a HbA1c < 7.0 % (< 53 mmol/mol) is advisable to reduce the incidence of birth defects.

Requested Tests : HEP*, VID*, TF*, VD*, QCG*, LFT*, GA, EUC*, LPD*, IRS*, INS*, HOR*, HIV*, HIN*, HAE, GL*, CA*, BF*, AND*, ABS*

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 Birthdate: 06/10/1998 Sex: F Medicare Number: 6262361732
 Your Reference: Lab Reference: 22-81049633-HAE-0
 Laboratory: WESTERN DIAGNOSTIC PATHOLOGY
 Addressee: DR SARAH S STAFANOS Referred by: DR SARAH S STAFANOS

Name of Test: HAEM MASTER - ENQUIRIES (HAE-0)
 Requested: 20/10/2022 Collected: 20/10/2022 Reported: 20/10/2022
 19:36

ROUTINE HAEMATOLOGY (Whole Blood)

RCC	4.31	x 10 ¹² /L	HAEMOGLOBIN	141	(115 - 155)	g/L
	(3.80 - 5.80)		MCV	97	(81 - 97)	fL
HCT	0.418		MCHC	337	(320 - 360)	g/L
	(0.370 - 0.470)		RDW	13	(< 16)	%
MCH	32.7	pg				
	(27.0 - 34.0)					
			PLATELETS	203	(150 - 400)	x 10 ⁹ /L
			WHITE CELLS	4.5	(4.0 - 11.0)	x 10 ⁹ /L
			Neut	39%	1.8	(1.8 - 7.5) " "
			Lymph	51%	2.3	(1.3 - 4.0) " "
			Mono	7%	0.3	(0.1 - 1.2) " "
			Eosin	3%	0.1	(< 0.7) " "

Borderline neutropenia.

Requested Tests : HEP*, VID*, TF*, VD*, QCG*, LFT*, GA*, EUC*, LPD*, IRS*,
 INS*, HOR*, HIV*, HIN*, HAE, GL*, CA*, BE*, AND*, ABS*