

RAVEN, SIMONE
 7 MACQUARIE RD, MORISSET PARK. 2264
Phone: 0438784409
Birthdate: 06/06/1963 **Sex:** F **Medicare Number:** 2232772279
Your Reference: C73A129EEB **Lab Reference:** 836843259-E-E515
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR BENTLEY LOGAN **Referred by:** DR BENTLEY LOGAN

Name of Test: Testo, SHBG, FAI
Requested: 15/05/2024 **Collected:** 16/05/2024 **Reported:** 17/05/2024
 16:03

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

TESTOSTERONE, SHBG AND FAI

Date	23/08/18	27/05/19	25/11/22	16/05/24		
Time F-Fast	1038 F	0925 F	0837 F	0814 F		
Lab ID	279539162	296348220	884034229	836843259	Units	Reference
Testosterone	0.6	0.2	0.2	0.4	nmol/L	(0.1-1.5)
SHBG				46	nmol/L	(15-70)
FAI				0.9	%	(0.3-5.5)

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,
 LFT(s), C(s), UCreat(s), E(s), Glu(p), Phos(s), ICa(s),
 Lipids HDL(s), Ca(s), Ferr(s), Mg(s), TSH(s),
 Testosterone(s), Active B12(s), PTH(e), .SHBG/FAI(s), FBC(e)
 Tests Pending :
 Sample Pending :

RAVEN, SIMONE
 7 MACQUARIE RD, MORISSET PARK. 2264
Phone: 0438784409
Birthdate: 06/06/1963 **Sex:** F **Medicare Number:** 2232772279
Your Reference: C73A129EEB **Lab Reference:** 836843259-E-B007
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR BENTLEY LOGAN **Referred by:** DR BENTLEY LOGAN

Name of Test: Hormones
Requested: 15/05/2024 **Collected:** 16/05/2024 **Reported:** 17/05/2024
 16:03

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

Reproductive Hormones
 (Abbott Method)

FSH	66.0	IU/L
LH	24.4	IU/L
Oestradiol	<80	pmol/L
Progesterone	<0.5	nmol/L

DHEAS 1.4 umol/L (1.2 - 8.4)

Comment on Lab ID 836843259

FSH	Basal	1.5 - 10
	Mid cycle peak	7.0 - 22
	Post-menopausal	25 - 130

LH	Basal	2.0 - 12
	Mid cycle peak	8.0 - 90
	Post-menopausal	5.0 - 62

Oestradiol	Follicular phase	<320
	Preovulatory phase	450 - 2000
	Luteal phase	125 - 1300
	Post-menopausal	<170

Progesterone	Follicular phase	0.3 - 4.0
	Luteal phase	5.5 - 90.0
	Midluteal	8.5 - 110.0
	Post-menopausal	<2.6

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,
LFT(s), C(s), UCreat(s), E(s), Glu(p), Phos(s), ICa(s),
Lipids HDL(s), Ca(s), Ferr(s), Mg(s), TSH(s),
Testosterone(s), Active B12(s), PTH(e), .SHBG/FAI(s), FBC(e)

Tests Pending :

Sample Pending :

RAVEN, SIMONE
7 MACQUARIE RD, MORISSET PARK. 2264
Phone: 0438784409
Birthdate: 06/06/1963 **Sex:** F **Medicare Number:** 2232772279
Your Reference: C73A129EEB **Lab Reference:** 836843259-C-H246
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR BENTLEY LOGAN **Referred by:** DR BENTLEY LOGAN

Name of Test: B12/Folate/RCF
Requested: 15/05/2024 **Collected:** 16/05/2024 **Reported:** 17/05/2024
15:03

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

VIT B12 & FOLATE

Date	15/04/21	14/08/23	13/10/23	16/05/24
Time F-Fast	0815 F	1044 F	0838 F	0814 F
Lab ID	861467583	861760801	836386005	836843259 Units Reference

Vitamin B12	286	632	332		pmol/L	(135-650)
Active B12	112		>128	>128	pmol/L	(>35)

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Glu(p), Phos(s), ICa(s),
Lipids HDL(s), Ca(s), Ferr(s), Mg(s), TSH(s),
Active B12(s), PTH(e), FBC(e)

Tests Pending : LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,
Testosterone(s), .SHBG/FAI(s)

Sample Pending :

RAVEN, SIMONE
7 MACQUARIE RD, MORISSET PARK. 2264
Phone: 0438784409
Birthdate: 06/06/1963 Sex: F Medicare Number: 2232772279
Your Reference: C73A129EEB Lab Reference: 836843259-E-E031
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR BENTLEY LOGAN Referred by: DR BENTLEY LOGAN

Name of Test: Thyroid Function
Requested: 15/05/2024 Collected: 16/05/2024 Reported: 17/05/2024
15:03

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

TFT

Date	15/04/21	14/08/23	13/10/23	16/05/24	
Time F-Fast	0815 F	1044 F	0838 F	0814 F	
Lab ID	861467583	861760801	836386005	836843259	Units Reference

TSH	2.68	1.15	1.68	1.50	mIU/L
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(0.40-4.00)

Comments on Collection 16/05/24 0814 F:
TSH is within reference limits.
Please note that if 'Thyroid function tests' or 'TFTs' are requested as a simple screening test, a TSH level is always done first. If this is increased a T4 level will be done automatically. If this is decreased a T4 and T3 will be performed automatically.

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Glu(p), Phos(s), ICa(s),
Lipids HDL(s), Ca(s), Ferr(s), Mg(s), TSH(s),
Active B12(s), PTH(e), FBC(e)

Tests Pending : LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,
Testosterone(s), .SHBG/FAI(s)

Sample Pending :

RAVEN, SIMONE
7 MACQUARIE RD, MORISSET PARK. 2264
Phone: 0438784409
Birthdate: 06/06/1963 Sex: F Medicare Number: 2232772279

Your Reference: C73A129EEB **Lab Reference:** 836843259-C-C151
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR BENTLEY LOGAN **Referred by:** DR BENTLEY LOGAN

Name of Test: Iron Studies
Requested: 15/05/2024 **Collected:** 16/05/2024 **Reported:** 17/05/2024
15:03

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

IRON

Date	15/04/21	14/08/23	13/10/23	16/05/24		
Time F-Fast	0813 F	1044 F	0838 F	0814 F		
Lab ID	861467582	861760801	836386005	836843259	Units	Reference
Iron	8.8	16.2			umol/L	(5.0-30.0)
Transferrin	2.5	2.7			g/L	(2.0-3.2)
TIBC (Calc)	56	60			umol/L	(46-70)
Saturation	16	27			%	(10-45)
Ferritin	69	57	62	84	ug/L	(30-300)

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Glu(p), Phos(s), ICa(s),
Lipids HDL(s), Ca(s), Ferr(s), Mg(s), TSH(s),
Active B12(s), PTH(e), FBC(e)
Tests Pending : LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,
Testosterone(s), .SHBG/FAI(s)
Sample Pending :

RAVEN, SIMONE
7 MACQUARIE RD, MORISSET PARK. 2264
Phone: 0438784409
Birthdate: 06/06/1963 **Sex:** F **Medicare Number:** 2232772279
Your Reference: C73A129EEB **Lab Reference:** 836843259-C-E355
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR BENTLEY LOGAN **Referred by:** DR BENTLEY LOGAN

Name of Test: PTH(e)
Requested: 15/05/2024 **Collected:** 16/05/2024 **Reported:** 17/05/2024
13:33

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

Date	23/08/18	25/11/22	02/11/23	16/05/24		
Time F-Fast	1038 F	0837 F	0940 F	0814 F		
Lab ID	279539162	884034229	836385882	836843259	Units	Reference
PTH (Roche)	5.6	4.7	4.7	6.1	pmol/L	(1.6-6.9)
Calcium	2.41	2.53	H 2.58	2.54	mmol/L	
(2.15-2.55)						
Corr Calcium	2.47	2.51	2.54	2.50	mmol/L	
(2.15-2.55)						

Albumin 40 44 45 **45** g/L (36-47)

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Glu(p), Phos(s), ICa(s),
Lipids HDL(s), Ca(s), Mg(s), PTH(e), FBC(e)
Tests Pending : LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,
Ferr(s), TSH(s), Testosterone(s), Active B12(s), .SHBG/FAI(s)
Sample Pending :

RAVEN, SIMONE
7 MACQUARIE RD, MORISSET PARK. 2264
Phone: 0438784409
Birthdate: 06/06/1963 **Sex:** F **Medicare Number:** 2232772279
Your Reference: C73A129EEB **Lab Reference:** 836843259-C-C202
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR BENTLEY LOGAN **Referred by:** DR BENTLEY LOGAN

Name of Test: ICa(s)
Requested: 15/05/2024 **Collected:** 16/05/2024 **Reported:** 17/05/2024
13:33

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

Ionised Calcium

Ionised Calcium 1.28 mmol/L
Calcium Adjusted to pH 7.40 **H 1.32** mmol/L (1.15 - 1.30)

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Glu(p), Phos(s), ICa(s),
Lipids HDL(s), Ca(s), Mg(s), PTH(e), FBC(e)
Tests Pending : LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,
Ferr(s), TSH(s), Testosterone(s), Active B12(s), .SHBG/FAI(s)
Sample Pending :

RAVEN, SIMONE
7 MACQUARIE RD, MORISSET PARK. 2264
Phone: 0438784409
Birthdate: 06/06/1963 **Sex:** F **Medicare Number:** 2232772279
Your Reference: C73A129EEB **Lab Reference:** 836843259-C-C205
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR BENTLEY LOGAN **Referred by:** DR BENTLEY LOGAN

Name of Test: Lipids HDL(s)
Requested: 15/05/2024 **Collected:** 16/05/2024 **Reported:** 17/05/2024
13:03

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

Date	18/08/22	14/08/23	13/10/23	16/05/24		
Time F-Fast	0757 F	1044 F	0838 F	0814 F		
Lab ID	881493145	861760801	836386005	836843259	Units	Reference

Status	Fasting	Fasting	Fasting	Fasting		
Cholesterol	5.1	H 6.4	H 6.6	H 6.4	mmol/L	(<5.5)
Triglycerides	1.0	1.7	H 2.1	1.4	mmol/L	(<2.0)
HDL Chol.	1.7	1.6	1.5	1.6	mmol/L	(>1.2)
LDL Chol.	2.9	H 4.0	H 4.1	H 4.2	mmol/L	(<3.0)
Non-HDL Chol.		H 4.8	H 5.1	H 4.8	mmol/L	(<4.0)

Comments on Collection 16/05/24 0814 F:
Please note that the above reference limits are decision limits.
A flag based on these limits is an indication to review the absolute cardiovascular risk for the patient. For assessment of absolute cardiovascular disease risk please see www.cvdcheck.org.au

The above decision limits are based on the European Atherosclerosis Society (EAS) and European Federation of Clinical Chemistry and Laboratory Medicine (EFCLM) Consensus Statement 2016 and the Australasian Association of Clinical Biochemistry and Laboratory Medicine (AACB) Lipid Reporting Guideline 2018.

Lipid treatment targets for patients at high risk of cardiovascular disease:

Total cholesterol	<4.0 mmol/L
Triglyceride	<2.0 mmol/L
HDL cholesterol	>1.0 mmol/L
LDL cholesterol	<2.5 mmol/L (<1.8 mmol/L for very high risk)
Non-HDL cholesterol	<3.3 mmol/L (<2.5 mmol/L for very high risk)

High risk - Primary prevention Very high risk - Secondary prevention

Target values from the AACB Lipid Reporting Guideline 2018.

Please note that as there is a continuum of risk, benefits are obtained for any measured lipid components moving towards and beyond the various target levels.

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Glu(p), Phos(s),
Lipids HDL(s), Ca(s), Mg(s), FBC(e)
Tests Pending : LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,
ICa(s), Ferr(s), TSH(s), Testosterone(s),
Active B12(s), PTH(e), SHBG/FAI(s)
Sample Pending :

RAVEN, SIMONE
7 MACQUARIE RD, MORISSET PARK. 2264
Phone: 0438784409
Birthdate: 06/06/1963 **Sex:** F **Medicare Number:** 2232772279
Your Reference: C73A129EEB **Lab Reference:** 836843259-C-C141
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR BENTLEY LOGAN **Referred by:** DR BENTLEY LOGAN

Name of Test: Biochemistry
Requested: 15/05/2024 **Collected:** 16/05/2024 **Reported:** 17/05/2024
13:03

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

BIOCHEMISTRY

Date	14/08/23	13/10/23	02/11/23	16/05/24		
Time F-Fast	1044 F	0838 F	0940 F	0814 F		
Lab ID	861760801	836386005	836385882	836843259	Units	Reference
Status	Fasting	Fasting		Fasting		
Sodium	140	138		141	mmol/L	(135-145)
Potassium	4.2	4.1		4.2	mmol/L	(3.5-5.5)
Chloride	106	107		107	mmol/L	(95-110)
Bicarbonate	27	25		24	mmol/L	(20-32)
Urea	5.0	4.7		6.9	mmol/L	(3.0-8.5)
Creatinine	70	70		80	umol/L	(45-85)
eGFR	79	84		68	mL/min/1.73m2	(>59)
Calcium	2.53	H 2.59	H 2.58	2.54	mmol/L	
(2.15-2.55)						
Corr Calcium	2.49	H 2.57	2.54	2.50	mmol/L	
(2.15-2.55)						
Magnesium.	0.88		0.84	0.92	mmol/L	
(0.65-1.00)						
Phosphate.	1.34	1.15	1.34	1.31	mmol/L	(0.8-1.5)
Bili.Total	6	6	6	5	umol/L	(3-15)
ALP	103	82	96	H 128	U/L	(30-115)
GGT	30	20	24	29	U/L	(5-35)
LD	186	197	192	180	U/L	(120-250)
AST	35	27	28	25	U/L	(10-35)
ALT	H 47	19	24	24	U/L	(5-30)
Total Protein	70	68	67	67	g/L	(64-83)
Albumin	45	44	45	45	g/L	(36-47)
Globulin	25	24	L 22	L 22	g/L	(23-39)
Cholesterol	H 6.4	H 6.6		H 6.4	mmol/L	(<5.5)
Triglycerides	1.7	H 2.1		1.4	mmol/L	(<2.0)

Comments on Collection 16/05/24 0814 F:

eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Glu(p), Phos(s),
Lipids HDL(s), Ca(s), Mg(s), FBC(e)

Tests Pending : LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,
ICa(s), Ferr(s), TSH(s), Testosterone(s),
Active B12(s), PTH(e), .SHBG/FAI(s)

Sample Pending :

RAVEN, SIMONE
7 MACQUARIE RD, MORISSET PARK. 2264
Phone: 0438784409
Birthdate: 06/06/1963 Sex: F Medicare Number: 2232772279
Your Reference: C73A129EEB Lab Reference: 836843259-C-C924
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR BENTLEY LOGAN Referred by: DR BENTLEY LOGAN

Name of Test: _Glucose
Requested: 15/05/2024 Collected: 16/05/2024 Reported: 16/05/2024

17:03

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

GLUCOSE

Date	14/04/22	14/08/23	13/10/23	16/05/24		
Time F-Fast	0820 F	1044 F	0838 F	0814 F		
Lab ID	868703342	861760801	836386005	836843259	Units	Reference
F Gluc Plasma	4.1	4.5	4.5	4.5	mmol/L	(3.6-6.0)

Comments on Collection 16/05/24 0814 F:
Diabetes is unlikely if fasting glucose levels are less than 5.5 mmol/L but an OGTT could be indicated in the presence of risk factors such as metabolic syndrome, past gestational diabetes, polycystic ovary or family history of type 2 diabetes.

NATA Accreditation No 2178

Tests Completed: Glu(p), FBC(e)

Tests Pending : LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,
LFT(s), C(s), UCreat(s), E(s), Phos(s), ICa(s),
Lipids HDL(s), Ca(s), Ferr(s), Mg(s), TSH(s),
Testosterone(s), Active B12(s), PTH(e), .SHBG/FAI(s)

Sample Pending :

RAVEN, SIMONE
7 MACQUARIE RD, MORISSET PARK. 2264
Phone: 0438784409
Birthdate: 06/06/1963 Sex: F Medicare Number: 2232772279
Your Reference: C73A129EEB Lab Reference: 836843259-H-H902
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR BENTLEY LOGAN Referred by: DR BENTLEY LOGAN

Name of Test: Haematology
Requested: 15/05/2024 Collected: 16/05/2024 Reported: 16/05/2024
16:03

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

HAEMATOLOGY

Date	14/08/23	13/10/23	02/11/23	16/05/24		
Time F-Fast	1044 F	0838 F	0940 F	0814 F		
Lab ID	861760801	836386005	836385882	836843259	Units	Reference
Haemoglobin	126	127	128	126	g/L	(119-160)
RCC	4.2	4.2	4.2	4.2	x10 ¹² /L	(3.8-5.8)
Haematocrit (0.35-0.48)	0.39	0.39	0.40	0.39		
MCV	93	91	94	93	fL	(80-100)
MCH (27.0-32.0)	29.7	30.0	30.3	30.1	pg	
MCHC	321	330	322	324	g/L	(310-360)
RDW	13.1	14.0	13.8	13.3		

(10.0-15.0)

WCC	6.0	4.8	6.4	5.1	x10 ⁹ /L	(4.0-11.0)
Neutrophils	2.59	L 1.72	3.47	L 1.86	x10 ⁹ /L	(2.0-7.5)
Lymphocytes	2.70	2.50	2.32	2.59	x10 ⁹ /L	(1.0-4.0)
Monocytes	0.53	0.39	0.50	0.53	x10 ⁹ /L	(0.0-1.0)
Eosinophils	0.17	0.13	0.12	0.09	x10 ⁹ /L	(0.0-0.5)
Basophils	0.03	0.04	0.02	0.03	x10 ⁹ /L	(0.0-0.3)
NRBC	<1.0	<1.0	<1.0	<1.0	/100 WBC	(<1)
Platelets	368	341	359	344	x10 ⁹ /L	(150-450)
ESR	12		2		mm/h	(1-35)

Comments on Collection 16/05/24 0814 F:

Mild neutropenia.

Drug effect, viral illness or an autoimmune disorder are possible causes.

NATA Accreditation No 2178

Tests Completed: FBC(e)

Tests Pending : LH(s),FSH(s),Oest(s),Prog(s),DHEAS(s),Commenting,
LFT(s),C(s),UCreat(s),E(s),Glu(p),Phos(s),ICa(s),
Lipids HDL(s),Ca(s),Ferr(s),Mg(s), TSH(s),
Testosterone(s), Active B12(s), PTH(e),.SHBG/FAI(s)

Sample Pending :

RAVEN, SIMONE

7 MACQUARIE RD, MORISSET PARK. 2264

Phone: 0438784409

Birthdate: 06/06/1963 Sex: F Medicare Number: 2232772279

Your Reference: 4BC5E3A64E Lab Reference: 851858683-C-C311

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR BENTLEY LOGAN Referred by: DR BENTLEY LOGAN

Name of Test: Chemistry, Ur.24H

Requested: 15/05/2024 Collected: 20/05/2024 Reported: 21/05/2024
02:33

Clinical notes: Rx CBD OIL, OSTEOPANADOL, MG, ZN, P.E.A. HT 162 WT 63

Clinical Notes : Rx CBD OIL, OSTEOPANADOL, MG, ZN, P.E.A. HT
162 WT 63

Urine, 24 Hour Collection

Dates of Collection	19/05/2024	to	20/05/2024
Collection Period	24.00		
Urine Volume	2430	mL	
U-Creatinine Excretion	9.2	mmol/d	(7.1 - 15.9)
Calcium Excretion	5.3	mmol/d	(2.5 - 7.5)

Comment on Lab ID 851858683

NATA Accreditation No 2178

Tests Completed: 24U-Creat,24U-Ca

Tests Pending :

Sample Pending :

