

Patient Health Summary

Name: Mr Joel Barnes
Address: 148 Beaudesert Nerang Road
Nerang 4211

Next Practice Burleigh Waters
BPS
2 Classic Way
Burleigh Waters 4220
0756198050

D.O.B.: 25/03/1992
Record No.:
Home Phone:
Work Phone:
Mobile Phone: 0423969377

Printed on 26th June 2025

Investigations:

BARNES, JOEL A
5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 Sex: M Medicare Number: 43590039151
Your Reference: Lab Reference: 23-74349475-CBC-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ Referred by: DR KARIN HOURIEZ

Name of Test: MASTER FULL BLOOD COUNT
Requested: 03/08/2023 Collected: 06/11/2023 Reported: 14/12/2023 08:43

FULL BLOOD EXAMINATION

Haemoglobin	170	g/L	(135-180)
Red Cell Count	5.6	x10 ¹² /L	(4.2-6.0)
Haematocrit	0.51		(0.38-0.52)
Mean Cell Volume	91	fL	(80-98)
Mean Cell Haemoglobin	31	pg	(27-35)
Platelet Count	237	x10 ⁹ /L	(150-450)
White Cell Count	5.4	x10 ⁹ /L	(4.0-11.0)
Neutrophils	53 %	2.9 x10 ⁹ /L	(2.0-7.5)
Lymphocytes	33 %	1.8 x10 ⁹ /L	(1.1-4.0)
Monocytes	10 %	0.5 x10 ⁹ /L	(0.2-1.0)
Eosinophils	3 %	0.16 x10 ⁹ /L	(0.04-0.40)
Basophils	1 %	0.05 x10 ⁹ /L	(< 0.21)

Automated Comment:

As per ISLH guidelines - Film not reviewed. If a film review is truly indicated, contact the laboratory within 24 hours of collection. Otherwise investigate any highlighted abnormalities as clinically appropriate.

All haematology parameters are within normal limits for age and sex.

** FINAL REPORT - Please destroy previous report **

Tests Completed: ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
Tests Completed: SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
Tests Completed: SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
Tests Completed: SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
Tests Pending :

BARNES, JOEL A
5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630

Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 23-74349475-COR-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN HOURIEZ

Name of Test: ADRENAL MASTER
Requested: 03/08/2023 **Collected:** 06/11/2023 **Reported:** 14/12/2023 08:43

ADRENAL STUDIES

Serum Cortisol 370 nmol/L 8am (220-720)
Collection time: 7:04 am

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
Tests Completed:SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
Tests Completed:SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
Tests Completed:SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
Tests Pending :

BARNES, JOEL A
5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 23-74349475-CU-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN HOURIEZ

Name of Test: COPPER,SERUM
Requested: 03/08/2023 **Collected:** 06/11/2023 **Reported:** 14/12/2023 08:43

Serum Copper 10 umol/L (10-30)

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
Tests Completed:SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
Tests Completed:SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
Tests Completed:SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
Tests Pending :

BARNES, JOEL A
5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 23-74349475-DBM-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN HOURIEZ

Name of Test: DIABETES MASTER
Requested: 03/08/2023 **Collected:** 06/11/2023 **Reported:** 14/12/2023 08:43

Insulin 13 mU/L fasting (< 25)

+ Glucose 6.1 mmol/L fasting (3.0-6.0)

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
Tests Completed:SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
Tests Completed:SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
Tests Completed:SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
Tests Pending :

BARNES, JOEL A
 5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 23-74349475-DHE-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN HOURIEZ

Name of Test: DHE-S
Requested: 03/08/2023 **Collected:** 06/11/2023 **Reported:** 14/12/2023 08:43

DHEA - Sulphate (DeHydroEpiAndrosterone)	4.0	umol/L	(2.7-17.6)
(previous units)	1500	ng/mL	(1000-6500)

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
 Tests Completed:SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
 Tests Completed:SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
 Tests Completed:SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
 Tests Pending :

BARNES, JOEL A
 5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 23-74349475-BFM-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN HOURIEZ

Name of Test: MASTER VITAMIN B12 FOLATE
Requested: 03/08/2023 **Collected:** 06/11/2023 **Reported:** 14/12/2023 08:43

Serum Vitamin B12 Assay	290	pmol/L	(162-811)
Holo TC Assay	> 146	pmol/L	(> 35)
Serum Folate Assay	53.5	nmol/L	(8.4-55.0)

Comment:

Serum Folate Assay:
 Adequate Serum Folate.
 In the absence of recent oral intake, a serum folate >13 nmol/L effectively rules out folate deficiency. Consider repeat fasting Folate, if there has been inadequate fasting, and clinical concern remains.

Serum Vitamin B12 Assay:
 The vitamin B12 level is in the indeterminate range.
 B12 depletion may exist with levels up to 350 pmol/L
 Correlation with Folate levels as well as Holo TC (Active B12) assay is recommended.

Holo TC Assay:
 No suggestion of vitamin B12 deficiency.
 High B12 levels are commonly seen with vitamin B12 replacement therapy.

Methodology:
 B12 and Active B12 (HoloTC) assays performed on Siemens Atellica analyser.

For Doctor clinical enquiries, please contact Dr Peter Davidson 07 3121 4444.
 Patients should contact their referring doctor in regard to this result.

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
Tests Completed:SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
Tests Completed:SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
Tests Completed:SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
Tests Pending :

BARNES, JOEL A
5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 23-74349475-FHM-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN HOURIEZ
Name of Test: FERTILITY HORMONE MASTER
Requested: 03/08/2023 **Collected:** 06/11/2023 **Reported:** 14/12/2023 08:43

Testosterone	14	nmol/L	(10.0-33.0)
free Testosterone (calc)	374	pmol/L	(150-700)
Sex Hormone Binding Globulin	20	nmol/L	(13-71)

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
Tests Completed:SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
Tests Completed:SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
Tests Completed:SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
Tests Pending :

BARNES, JOEL A
5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 23-74349475-ZN-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN HOURIEZ
Name of Test: ZINC,SERUM
Requested: 03/08/2023 **Collected:** 06/11/2023 **Reported:** 14/12/2023 08:43

Serum Zinc	12	umol/L	(10-25)
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Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
Tests Completed:SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
Tests Completed:SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
Tests Completed:SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
Tests Pending :

BARNES, JOEL A
5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 23-74349475-ISM-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN HOURIEZ
Name of Test: MASTER IRON STUDIES
Requested: 03/08/2023 **Collected:** 06/11/2023 **Reported:** 14/12/2023 08:43

IRON STUDIES

Serum Iron	18	umol/L	(10-33)
Transferrin IBC	48	umol/L	(45-70)
Transferrin Saturation	38	%	(16-50)
+ Serum Ferritin Assay	344	ug/L	(30-320)

Comment:

Mild elevation of the ferritin.

This does not necessarily indicate true iron loading and may be seen transiently in minor acute inflammatory states, or if persistent in low-grade liver disease or chronic disease.

Suggest repeat FASTING iron studies to confirm.

Note that a medicare rebate for HFE gene testing is applicable only when an abnormality persists on repeat testing or a first degree relative has a recognised mutation.

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
 Tests Completed:SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
 Tests Completed:SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
 Tests Completed:SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
 Tests Pending :

BARNES, JOEL A
 5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 23-74349475-MG-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN HOURIEZ

Name of Test: MAGNESIUM,SERUM
Requested: 03/08/2023 **Collected:** 06/11/2023 **Reported:** 14/12/2023 08:43

Serum Magnesium	0.8	mmol/L	(0.7-1.1)
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Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
 Tests Completed:SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
 Tests Completed:SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
 Tests Completed:SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
 Tests Pending :

BARNES, JOEL A
 5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 23-74349475-HDL-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN HOURIEZ

Name of Test: HDL CHOLESTEROL,SERUM
Requested: 03/08/2023 **Collected:** 06/11/2023 **Reported:** 14/12/2023 08:43

CUMULATIVE LIPID RISK REPORT

Date	06/11/23
Time	07:04
Lab No	74349475
	FASTING

	Target if
	HIGH RISK
Total Cholesterol	5.5 mmol/L (below 4.0)
Triglycerides	1.3 mmol/L (below 2.0)

CHOLESTEROL FRACTIONS

HDL	1.22 mmol/L (above 1.0)
LDL (calculated)*	3.69 mmol/L (below 2.5)
Non-HDL cholesterol*	4.28 mmol/L (below 3.3)
Total/HDL ratio**	4.5

* Secondary prevention LDL and non-HDL cholesterol targets are lower.
 ** The ratio is for use with the cardiovascular risk calculator.
 Web-search: "Australian cardiovascular risk calculator"

74349475 Treatment is recommended if clinically indicated or if calculated risk exceeds 15% absolute risk of CVD events over 5 years.

NVDPA 2012 [Target](#) ranges refer to [HIGH RISK PATIENTS](#).

As of 7/3/22 LDL will no longer be measured routinely. LDL results will be calculated, in accordance with National harmonisation.

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
 Tests Completed:SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
 Tests Completed:SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
 Tests Completed:SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
 Tests Pending :

BARNES, JOEL A
 5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 23-74349475-HOM-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN HOURIEZ

Name of Test: HOMOCYSTEINE,SERUM
Requested: 03/08/2023 **Collected:** 06/11/2023 **Reported:** 14/12/2023 08:43

CUMULATIVE SERUM HOMOCYSTEINE
 Date 06/11/23
 Time 07:04
 Lab No 74349475

Homocysteine 10.3 umol/L (0.0-15.0)

74349475 High normal value.
 With this level, the heterozygous state for defects of transsulphuration (homocysteinaemia) is unlikely. However the risk of coronary artery disease may be mildly elevated over the baseline. This is independent of other risk factors.

Homocysteine Related Risk

Plasma level (umol/L)	Risk Average
Below 9.0	No increase
9.0 - 14.9	x 2
15.0 - 19.9	x 3
20.0 or greater	x 4.5

 Risks approximated from New Eng J Med 1997 (337:230-236)

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
 Tests Completed:SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
 Tests Completed:SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
 Tests Completed:SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
 Tests Pending :

BARNES, JOEL A
 5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 23-74349475-VD-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN HOURIEZ

Name of Test: VITAMIN D,SERUM
Requested: 03/08/2023 **Collected:** 06/11/2023 **Reported:** 14/12/2023 08:43

CUMULATIVE SERUM VITAMIN D
Date 16/09/22 06/11/23
Time 07:25 07:04
Lab No 70835052 74349475
Vitamin D3 176 124 nmol/L (> 49)

74349475

** Progress report.

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
Tests Completed:SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
Tests Completed:SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
Tests Completed:SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
Tests Pending :

BARNES, JOEL A
5 LITTLE LORIKEET CT, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 Sex: M Medicare Number: 43590039151
Your Reference: Lab Reference: 23-74349475-25T-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ Referred by: DR KARIN HOURIEZ

Name of Test: E/LFT (MASTER)
Requested: 03/08/2023 Collected: 06/11/2023 Reported: 14/12/2023 08:43

SERUM/PLASMA CHEMISTRY - FASTING

Sodium	139	mmol/L	(137-147)
Potassium	4.9	mmol/L	(3.5-5.0)
Chloride	104	mmol/L	(96-109)
Bicarbonate	30	mmol/L	(25-33)
Other Anions	10	mmol/L	(4-17)
+ Glucose	6.1	mmol/L	fasting (3.0-6.0)
Urea	6.6	mmol/L	(2.5-8.0)
Creatinine	96	umol/L	(60-130)
eGFR	> 90	mL/min	(over 59)
Total Bilirubin	9	umol/L	(2-20)
Alk. Phos.	57	U/L	(30-115)
Gamma G.T.	15	U/L	(0-70)
ALT	23	U/L	(0-45)
AST	16	U/L	(0-41)
LD	166	U/L	(80-250)
Calcium	2.31	mmol/L	(2.15-2.60)
Adjusted for Albumin	2.27	mmol/L	(2.15-2.60)
Phosphate	1.0	mmol/L	(0.8-1.5)
Albumin	44	g/L	(35-50)
Globulins	25	g/L	(20-40)
Cholesterol	5.5	mmol/L	(3.6-6.7)
Triglycerides	1.3	mmol/L	fasting (0.3-2.2)

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FREE TESTOSTERONE, INSULIN
Tests Completed:SE CORTISOL, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE U/C/ELECTS
Tests Completed:SE TRIGS, SE PHOSPHATE, SE LFT, SE GLUCOSE, SE CHOL, SE CALCIUM
Tests Completed:SE ZINC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG, DHEAS, SE COPPER
Tests Pending :

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 Sex: M Medicare Number: 43590039151

Your Reference: **Lab Reference:** 24-76174675-25T-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: E/LFT (MASTER)
Requested: 14/12/2023 **Collected:** 27/05/2024 **Reported:** 27/05/2024 15:04

SERUM/PLASMA CHEMISTRY - FASTING

Glucose 5.5 mmol/L fasting (3.0-6.0)

Tests Completed:SE GLUCOSE
Tests Pending :INSULIN, BL HBA1C, HAEMOCHROMATOSIS PCR TEST

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 24-76174675-A1C-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: HAEMOGLOBIN A1C,BLOOD
Requested: 14/12/2023 **Collected:** 27/05/2024 **Reported:** 27/05/2024 16:27

CUMULATIVE GLYCATED HAEMOGLOBIN

Date 27/05/24
Time 00:00
Lab No 76174675

HbA1c Fraction 4.9 %
in SI units 30 mmol/mol

Note: Caution is needed in interpreting HbA1c results in the presence of conditions affecting red blood cell survival times, which may lead to either falsely high or falsely low HbA1c results.

HbA1c diagnostic levels - RCPA 2014
< 6.1% (<43 mmol/mol) - current diabetes is excluded
6.1-6.4% (43-47 mmol/mol) - high risk for future diabetes
> 6.4% (>48 mmol/mol) - diabetes is likely
Unless patient has supportive symptoms or elevated plasma glucose values, repeat test is recommended.
Currently, Medicare will fund only one diagnostic test per year.

Sample may be collected at any time - fasting is not required.
Note - diabetes tolerance may be impaired by chronic illness, use of certain drugs including steroids, Cushing syndrome, etc.
We would advise considering secondary forms in newly-diagnosed patients.
For clinical enquiries, please contact Dr Appleton, Chang or Marshall

Tests Completed:SE GLUCOSE, BL HBA1C
Tests Pending :INSULIN, HAEMOCHROMATOSIS PCR TEST

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 24-76174675-DBM-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: DIABETES MASTER
Requested: 14/12/2023 **Collected:** 27/05/2024 **Reported:** 27/05/2024 16:39

Insulin	12 mU/L	fasting (< 25)
Glucose	5.5 mmol/L	fasting (3.0-6.0)

Tests Completed:INSULIN, SE GLUCOSE, BL HBA1C
Tests Pending :HAEMOCHROMATOSIS PCR TEST

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 24-76174675-HFE-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: HFE GENE-HAEMOCHROMATOSIS
Requested: 14/12/2023 **Collected:** 27/05/2024 **Reported:** 03/06/2024 14:37

PCR TEST FOR HAEMOCHROMATOSIS (HFE GENE)

SPECIMEN: Peripheral blood

RESULTS:

C282Y (c.845G>A): Variant NOT detected.
H63D (c.187C>G): Variant NOT detected.
S65C (c.193A>T): HETEROZYGOUS VARIANT DETECTED

The presence of a single recognised mutation is consistent with an asymptomatic carrier state. However iron overload may be noted if another unrecognized mutation is present on the other chromosome.

Genetic tests results may have significant medical implications for both the patient and relatives. Corroboration of this result by reference to other clinical or laboratory information, or by repeat testing, may be warranted.
Although the ferritin is elevated, the saturation does not support iron overload.

For enquiries consult Dr Abhijit Kulkarni.

Tests Completed:INSULIN, SE GLUCOSE, BL HBA1C, HAEMOCHROMATOSIS PCR TEST
Tests Pending :

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-78393520-CBC-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: MASTER FULL BLOOD COUNT
Requested: 17/07/2024 **Collected:** 14/04/2025 **Reported:** 14/04/2025 14:32

FULL BLOOD EXAMINATION		
Haemoglobin	169 g/L	(135-180)
Red Cell Count	5.5 x10 ^12 /L	(4.2-6.0)
Haematocrit	0.51	(0.38-0.52)

Mean Cell Volume		93	fL	(80-98)
Mean Cell Haemoglobin		31	pg	(27-35)
Platelet Count		329	x10 ^9 /L	(150-450)
White Cell Count		6.4	x10 ^9 /L	(4.0-11.0)
Neutrophils	61 %	3.9	x10 ^9 /L	(2.0-7.5)
Lymphocytes	26 %	1.7	x10 ^9 /L	(1.1-4.0)
Monocytes	10 %	0.6	x10 ^9 /L	(0.2-1.0)
Eosinophils	2 %	0.13	x10 ^9 /L	(0.04-0.40)
Basophils	1 %	0.06	x10 ^9 /L	(< 0.21)

Automated Comment:

As per ISLH guidelines - Film not reviewed. If a film review is truly indicated, contact the laboratory within 24 hours of collection. Otherwise investigate any highlighted abnormalities as clinically appropriate.

All haematology parameters are within normal limits for age and sex.

**** FINAL REPORT - Please destroy previous report ****

Tests Completed:FBC

Tests Pending :IRON STUDIES, TOTAL TESTOSTERONE, E2, INSULIN, SERUM FOLATE

Tests Pending :SERUM VITAMIN B12, SE E/LFT, SE ZINC, SE VIT D, SE HOMOCYSTEINE

Tests Pending :SE HDL, SE MG, SE COPPER

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-78393520-VD-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: VITAMIN D,SERUM
Requested: 17/07/2024 **Collected:** 14/04/2025 **Reported:** 14/04/2025 16:08

CUMULATIVE SERUM VITAMIN D
Date 06/11/23 14/04/25
Time 07:04 07:25
Lab No 74349475 78393520
Vitamin D3 124 86 nmol/L (> 49)

78393520

**** Progress report.**

Tests Completed:FBC, SE VIT D

Tests Pending :IRON STUDIES, TOTAL TESTOSTERONE, E2, INSULIN, SERUM FOLATE

Tests Pending :SERUM VITAMIN B12, SE E/LFT, SE ZINC, SE HOMOCYSTEINE, SE HDL, SE MG

Tests Pending :SE COPPER

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-78393520-HOM-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: HOMOCYSTEINE,SERUM
Requested: 17/07/2024 **Collected:** 14/04/2025 **Reported:** 14/04/2025 16:33

CUMULATIVE SERUM HOMOCYSTEINE
Date 14/04/25

Time 07:25
Lab No 78393520

Homocysteine + 18.0 umol/L (0.0-15.0)

78393520 This raised homocysteine concentration may be associated with an independent elevation of risk of vascular disease.

With this degree of elevation, the heterozygous state for a defect of transsulphuration (leading to raised homocysteine levels) is likely. However the elevation may be seen with renal impairment or a suboptimal dietary intake of folate or B12 or vitamin B6 (pyridoxine). Review of renal function or a four week trial of a multivitamin supplement may assist clarifying this.

Homocysteine Related Risk

Plasma level (umol/L)	Risk Average
Below 9.0	No increase
9.0 - 14.9	x 2
15.0 - 19.9	x 3
20.0 or greater	x 4.5

Risks approximated from New Eng J Med 1997 (337:230-236)

Tests Completed:FBC, SE VIT D, SE HOMOCYSTEINE

Tests Pending :IRON STUDIES, TOTAL TESTOSTERONE, E2, INSULIN, SERUM FOLATE

Tests Pending :SERUM VITAMIN B12, SE E/LFT, SE ZINC, SE HDL, SE MG, SE COPPER

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-78393520-MG-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: MAGNESIUM, SERUM
Requested: 17/07/2024 **Collected:** 14/04/2025 **Reported:** 14/04/2025 17:40

Serum Magnesium 0.7 mmol/L (0.7-1.1)

Tests Completed:FBC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG

Tests Pending :ACTIVE VITAMIN B12, IRON STUDIES, TOTAL TESTOSTERONE, E2, INSULIN

Tests Pending :SERUM FOLATE, SERUM VITAMIN B12, SE E/LFT, SE ZINC, SE COPPER

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-78393520-HDL-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: HDL CHOLESTEROL, SERUM
Requested: 17/07/2024 **Collected:** 14/04/2025 **Reported:** 14/04/2025 17:40

CUMULATIVE LIPID RISK REPORT

Date 06/11/23 14/04/25
Time 07:04 07:25
Lab No 74349475 78393520
FASTING FASTING

Total Cholesterol	5.5	6.0 mmol/L (below 4.0)	Target if HIGH RISK
Triglycerides	1.3	1.3 mmol/L (below 2.0)	

CHOLESTEROL FRACTIONS

HDL	1.22	0.66 mmol/L (above 1.0)
LDL (calculated)*	3.69	4.75 mmol/L (below 2.5)
Non-HDL cholesterol*	4.28	5.34 mmol/L (below 3.3)
Total/HDL ratio**	4.5	9.1

* Secondary prevention LDL and non-HDL cholesterol targets are lower.

** The ratio is for use with the cardiovascular risk calculator.

Web-search: "Australian cardiovascular risk calculator"

78393520 Treatment is recommended if clinically indicated or if calculated risk exceeds 15% absolute risk of CVD events over 5 years.

NVDPA 2012 [Target](#) ranges refer to [HIGH RISK PATIENTS](#).

As of 7/3/22 LDL will no longer be measured routinely. LDL results will be calculated, in accordance with National harmonisation.

Tests Completed:FBC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG
Tests Pending :ACTIVE VITAMIN B12, IRON STUDIES, TOTAL TESTOSTERONE, E2, INSULIN
Tests Pending :SERUM FOLATE, SERUM VITAMIN B12, SE E/LFT, SE ZINC, SE COPPER

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-78393520-ISM-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: MASTER IRON STUDIES
Requested: 17/07/2024 **Collected:** 14/04/2025 **Reported:** 14/04/2025 17:47

IRON STUDIES
Serum Iron 19 umol/L (10-33)
Transferrin IBC 68 umol/L (45-70)
Transferrin Saturation 28 % (16-50)
+ Serum Ferritin Assay 585 ug/L (30-320)
Progress:
Known Haemochromatosis S65C Carrier.

Tests Completed:IRON STUDIES, FBC, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG
Tests Pending :ACTIVE VITAMIN B12, TOTAL TESTOSTERONE, E2, INSULIN, SERUM FOLATE
Tests Pending :SERUM VITAMIN B12, SE E/LFT, SE ZINC, SE COPPER

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-78393520-BFM-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: MASTER VITAMIN B12 FOLATE
Requested: 17/07/2024 **Collected:** 14/04/2025 **Reported:** 14/04/2025 17:48

Serum Vitamin B12 Assay	250 pmol/L	(162-811)
Holo TC Assay	> 146 pmol/L	(> 35)
Serum Folate Assay	22.4 nmol/L	(8.4-55.0)

Comment:

Serum Folate Assay:
Adequate Serum Folate.
In the absence of recent oral intake, a serum folate >13 nmol/L

effectively rules out folate deficiency. Consider repeat fasting Folate, if there has been inadequate fasting, and clinical concern remains.

Serum Vitamin B12 Assay:

The vitamin B12 level is in the indeterminate range.
B12 depletion may exist with levels up to 350 pmol/L
Correlation with Folate levels as well as Holo TC (Active B12) assay is recommended.

Holo TC Assay:

No suggestion of vitamin B12 deficiency.
High B12 levels are commonly seen with vitamin B12 replacement therapy.

Methodology:

B12 and Active B12 (HoloTC) assays performed on Siemens Atellica analyser.

For Doctor clinical enquiries, please contact Dr Peter Davidson 07 3121 4444.
Patients should contact their referring doctor in regard to this result.

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, FBC, SERUM FOLATE, SERUM VITAMIN B12
Tests Completed:SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG
Tests Pending :TOTAL TESTOSTERONE, E2, INSULIN, SE E/LFT, SE ZINC, SE COPPER

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-78393520-DBM-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: DIABETES MASTER
Requested: 17/07/2024 **Collected:** 14/04/2025 **Reported:** 14/04/2025 18:09

Insulin	7 mU/L	fasting (< 25)
Glucose	5.2 mmol/L	fasting (3.0-6.0)

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, INSULIN, FBC, SERUM FOLATE
Tests Completed:SERUM VITAMIN B12, SE VIT D, SE HOMOCYSTEINE, SE HDL, SE MG
Tests Pending :TOTAL TESTOSTERONE, E2, SE E/LFT, SE ZINC, SE COPPER

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-78393520-FHM-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: FERTILITY HORMONE MASTER
Requested: 17/07/2024 **Collected:** 14/04/2025 **Reported:** 14/04/2025 20:08

++ Oestradiol	229 pmol/L	(< 150)
+ Testosterone	36 nmol/L	(10.0-33.0)

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, TOTAL TESTOSTERONE, E2, INSULIN, FBC
 Tests Completed:SERUM FOLATE, SERUM VITAMIN B12, SE VIT D, SE HOMOCYSTEINE, SE HDL
 Tests Completed:SE MG
 Tests Pending :SE E/LFT, SE ZINC, SE COPPER

BARNES, JOEL A
 148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-78393520-25T-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: E/LFT (MASTER)
Requested: 17/07/2024 **Collected:** 14/04/2025 **Reported:** 15/04/2025 00:57

SERUM CHEMISTRY - FASTING

- Sodium	135	mmol/L	(137-147)
+++ Potassium	6.1	mmol/L	(3.5-5.0)
Chloride	102	mmol/L	(96-109)
Bicarbonate	26	mmol/L	(25-33)
Other Anions	13	mmol/L	(4-17)
Glucose	5.2	mmol/L	fasting (3.0-6.0)
Urea	5.8	mmol/L	(2.5-8.0)
Creatinine	100	umol/L	(60-130)
eGFR	85	mL/min	(over 59)
Uric Acid	0.22	mmol/L	(0.12-0.45)
Total Bilirubin	13	umol/L	(2-20)
Alk. Phos.	44	U/L	(30-115)
Gamma G.T.	12	U/L	(0-70)
ALT	37	U/L	(0-45)
AST	32	U/L	(0-41)
LD	194	U/L	(80-250)
Calcium	2.46	mmol/L	(2.15-2.60)
Adjusted for Albumin	2.42	mmol/L	(2.15-2.60)
-- Phosphate	0.6	mmol/L	(0.8-1.5)
Total Protein	70	g/L	(60-82)
Albumin	44	g/L	(35-50)
Globulins	26	g/L	(20-40)
Cholesterol	6.0	mmol/L	(3.6-6.7)
Triglycerides	1.3	mmol/L	fasting (0.3-2.2)

We have investigated the collection and handling, and the nature of the sample and there appears to be no identifiable reason that the above potassium elevation would be erroneous. However the pattern of the elevation appears suspicious. If it is unlikely to be "real", we would be happy to repeat the test on a fresh collection at no charge to the patient.

Tests Completed:ACTIVE VITAMIN B12, IRON STUDIES, TOTAL TESTOSTERONE, E2, INSULIN, FBC
 Tests Completed:SERUM FOLATE, SERUM VITAMIN B12, SE E/LFT, SE VIT D, SE HOMOCYSTEINE
 Tests Completed:SE HDL, SE MG
 Tests Pending :SE ZINC, SE COPPER

BARNES, JOEL A
 148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-78393520-CU-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: COPPER, SERUM

Requested: 17/07/2024 **Collected:** 14/04/2025 **Reported:** 15/04/2025 07:43

- Serum Copper 8 umol/L (10-30)

Tests Completed: ACTIVE VITAMIN B12, IRON STUDIES, TOTAL TESTOSTERONE, E2, INSULIN, FBC
Tests Completed: SERUM FOLATE, SERUM VITAMIN B12, SE E/LFT, SE VIT D, SE HOMOCYSTEINE
Tests Completed: SE HDL, SE MG, SE COPPER
Tests Pending : SE ZINC

BARNES, JOEL A

148 BEAUDESERT NERANG RD, NERANG. 4211

Phone: 04 10896630

Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151

Your Reference: **Lab Reference:** 25-78393520-ZN-0

Laboratory: QML Pathology

Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: ZINC, SERUM

Requested: 17/07/2024 **Collected:** 14/04/2025 **Reported:** 15/04/2025 16:50

Serum Zinc 11 umol/L (10-25)

Tests Completed: ACTIVE VITAMIN B12, IRON STUDIES, TOTAL TESTOSTERONE, E2, INSULIN, FBC
Tests Completed: SERUM FOLATE, SERUM VITAMIN B12, SE E/LFT, SE ZINC, SE VIT D
Tests Completed: SE HOMOCYSTEINE, SE HDL, SE MG, SE COPPER
Tests Pending :

BARNES, JOEL A

148 BEAUDESERT NERANG RD, NERANG. 4211

Phone: 04 10896630

Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151

Your Reference: **Lab Reference:** 25-90014986-MG-0

Laboratory: QML Pathology

Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: MAGNESIUM, SERUM

Requested: 29/04/2025 **Collected:** 08/05/2025 **Reported:** 08/05/2025 19:31

Serum Magnesium 0.8 mmol/L (0.7-1.1)

Tests Completed: SE U/C/ELECTS, SE PHOSPHATE, SE CALCIUM, SE MG
Tests Pending :

BARNES, JOEL A

148 BEAUDESERT NERANG RD, NERANG. 4211

Phone: 04 10896630

Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151

Your Reference: **Lab Reference:** 25-90014986-25T-0

Laboratory: QML Pathology

Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: E/LFT (MASTER)

Requested: 29/04/2025 **Collected:** 08/05/2025 **Reported:** 08/05/2025 19:31

SERUM/PLASMA CHEMISTRY

Sodium	139	mmol/L	(137-147)
++ Potassium	5.5	mmol/L	(3.5-5.0)
Chloride	104	mmol/L	(96-109)
Bicarbonate	30	mmol/L	(25-33)
Other Anions	11	mmol/L	(4-17)
Urea	5.0	mmol/L	(2.5-8.0)
Creatinine	99	umol/L	(60-130)
eGFR	86	mL/min	(over 59)
Calcium	2.43	mmol/L	(2.15-2.60)
Adjusted for Albumin	2.42	mmol/L	(2.15-2.60)
Phosphate	0.9	mmol/L	(0.8-1.5)
Albumin	43	g/L	(35-50)

Tests Completed:SE U/C/ELECTS, SE PHOSPHATE, SE CALCIUM, SE MG
 Tests Pending :

BARNES, JOEL A
 59 PETER MILLS DR, GILSTON. 4211
 Phone: 04 10896630
 Birthdate: 25/03/1992 Sex: M Medicare Number: 43590039151
 Your Reference: Lab Reference: 25-74981379-ISM-0
 Laboratory: QML Pathology
 Addressee: DR KARIN D HOURIEZ Referred by: DR HANLON SIA
 Copy to:
 DR KARIN D HOURIEZ

Name of Test: MASTER IRON STUDIES
 Requested: 13/05/2025 Collected: 26/05/2025 Reported: 26/05/2025 22:48

IRON STUDIES
 Serum Iron 12 umol/L (10-33)
 Transferrin IBC 57 umol/L (45-70)
 Transferrin Saturation 21 % (16-50)
 Serum Ferritin Assay 316 ug/L (30-320)
 Progress:
 Known Haemochromatosis S65C Carrier.

Tests Completed:IRON STUDIES, FBC, SE E/LFT, SE C-REACTIVE PROTEIN, PSA
 Tests Pending :HAV IGG, HBSAB, SE AFP, LEUKAEMIA MARKER STUDIES, SE FREE LIGHT CHAINS
 Tests Pending :SE EPP

BARNES, JOEL A
 59 PETER MILLS DR, GILSTON. 4211
 Phone: 04 10896630
 Birthdate: 25/03/1992 Sex: M Medicare Number: 43590039151
 Your Reference: Lab Reference: 25-74981379-EPP-0
 Laboratory: QML Pathology
 Addressee: DR KARIN D HOURIEZ Referred by: DR HANLON SIA
 Copy to:
 DR KARIN D HOURIEZ

Name of Test: PROTEIN ELECTROPHORESIS,S
 Requested: 13/05/2025 Collected: 26/05/2025 Reported: 27/05/2025 12:11

SERUM PROTEIN ELECTROPHORETIC PATTERN
 Total Protein 64 g/L (60-82)
 Albumin 43 g/L (35-50)
 Alpha 1-Globulin 2 g/L (1-4)
 Alpha 2-Globulin 5 g/L (6-10)
 Beta 1-Globulin 4 g/L (3-5)
 Beta 2-Globulin 4 g/L (2-5)
 Gamma Globulin 9 g/L (7-15)

No abnormal discrete bands were detected on electrophoresis.

Tests Completed:HAV IGG, HBSAB, SE AFP, IRON STUDIES, FBC, SE E/LFT
Tests Completed:SE C-REACTIVE PROTEIN, PSA, SE EPP
Tests Pending :LEUKAEMIA MARKER STUDIES, SE FREE LIGHT CHAINS

BARNES, JOEL A
59 PETER MILLS DR, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 Sex: M Medicare Number: 43590039151
Your Reference: Lab Reference: 25-74981379-CBC-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ Referred by: DR HANLON SIA
Copy to:
DR KARIN D HOURIEZ

Name of Test: MASTER FULL BLOOD COUNT
Requested: 13/05/2025 Collected: 26/05/2025 Reported: 26/05/2025 14:51

FULL BLOOD EXAMINATION
PROVISIONAL REPORT-FINAL TO FOLLOW

Haemoglobin	166	g/L	(135-180)
Red Cell Count	5.6	x10 ¹² /L	(4.2-6.0)
Haematocrit	0.50		(0.38-0.52)
Mean Cell Volume	89	fL	(80-98)
Mean Cell Haemoglobin	30	pg	(27-35)
Platelet Count	315	x10 ⁹ /L	(150-450)
White Cell Count	10.4	x10 ⁹ /L	(4.0-11.0)
Neutrophils	69 %	7.2 x10 ⁹ /L	(2.0-7.5)
Lymphocytes	20 %	2.1 x10 ⁹ /L	(1.1-4.0)
Monocytes	9 %	0.9 x10 ⁹ /L	(0.2-1.0)
Eosinophils	1 %	0.10 x10 ⁹ /L	(0.04-0.40)
Basophils	1 %	0.10 x10 ⁹ /L	(< 0.21)

***** Automated INTERIM Report *****
Provisional Analyser Parameters - subject to final confirmation.
A verified Count with WCC Differential Report to follow.
If there is any markedly abnormal result which is clinically unexpected, please contact your local laboratory.
as soon as practicable.
A Final FBC Report is expected within 24 hours.
***** Automated INTERIM Report *****

Tests Completed:
Tests Pending :HAV IGG, HBSAB, SE AFP, IRON STUDIES, LEUKAEMIA MARKER STUDIES, FBC
Tests Pending :SE E/LFT, SE FREE LIGHT CHAINS, SE C-REACTIVE PROTEIN, PSA, SE EPP

BARNES, JOEL A
59 PETER MILLS DR, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 Sex: M Medicare Number: 43590039151
Your Reference: Lab Reference: 25-74981379-CBC-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ Referred by: DR HANLON SIA
Copy to:
DR KARIN D HOURIEZ

Name of Test: MASTER FULL BLOOD COUNT
Requested: 13/05/2025 Collected: 26/05/2025 Reported: 26/05/2025 14:58

FULL BLOOD EXAMINATION
Haemoglobin 166 g/L (135-180)

Red Cell Count	5.6	x10 ¹² /L	(4.2-6.0)
Haematocrit	0.50		(0.38-0.52)
Mean Cell Volume	89	fL	(80-98)
Mean Cell Haemoglobin	30	pg	(27-35)
Platelet Count	315	x10 ⁹ /L	(150-450)
White Cell Count	10.4	x10 ⁹ /L	(4.0-11.0)
Neutrophils	69 %	7.2 x10 ⁹ /L	(2.0-7.5)
Lymphocytes	20 %	2.1 x10 ⁹ /L	(1.1-4.0)
Monocytes	9 %	0.9 x10 ⁹ /L	(0.2-1.0)
Eosinophils	1 %	0.10 x10 ⁹ /L	(0.04-0.40)
Basophils	1 %	0.10 x10 ⁹ /L	(< 0.21)

Automated Comment:

As per ISLH guidelines - Film not reviewed. If a film review is truly indicated, contact the laboratory within 24 hours of collection. Otherwise investigate any highlighted abnormalities as clinically appropriate.

All haematology parameters are within normal limits for age and sex.

** FINAL REPORT - this replaces the previous Interim FBC reported at 26/05/2025 2:51 pm **

Tests Completed:FBC

Tests Pending :HAV IGG, HBSAB, SE AFP, IRON STUDIES, LEUKAEMIA MARKER STUDIES

Tests Pending :SE E/LFT, SE FREE LIGHT CHAINS, SE C-REACTIVE PROTEIN, PSA, SE EPP

BARNES, JOEL A
59 PETER MILLS DR, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-74981379-CRP-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR HANLON SIA
Copy to:
DR KARIN D HOURIEZ

Name of Test: C REACTIVE PROTEIN
Requested: 13/05/2025 **Collected:** 26/05/2025 **Reported:** 26/05/2025 15:21

CUMULATIVE SERUM/PLASMA C-REACTIVE PROTEIN (CRP)

Date 26/05/25
Time 13:30
Lab No 74981379

CRP < 5 mg/L(0-6)

C-reactive protein (CRP) is a non-specific indicator of tissue damage.
The level rises rapidly (within 6-10 hours) after tissue injury, peaks at 48-72 hours and returns to normal within a few days. Common causes of markedly increased CRP include infection (particularly bacterial), trauma, surgery, myocardial infarction, many malignancies and inflammatory disorders.

Tests Completed:FBC, SE C-REACTIVE PROTEIN

Tests Pending :HAV IGG, HBSAB, SE AFP, IRON STUDIES, LEUKAEMIA MARKER STUDIES

Tests Pending :SE E/LFT, SE FREE LIGHT CHAINS, PSA, SE EPP

BARNES, JOEL A
59 PETER MILLS DR, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-74981379-25T-0

Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR HANLON SIA
Copy to:
DR KARIN D HOURIEZ

Name of Test: E/LFT (MASTER)
Requested: 13/05/2025 **Collected:** 26/05/2025 **Reported:** 26/05/2025 15:28

SERUM/PLASMA CHEMISTRY - RANDOM

Sodium	140	mmol/L	(137-147)
Potassium	4.2	mmol/L	(3.5-5.0)
Chloride	102	mmol/L	(96-109)
Bicarbonate	32	mmol/L	(25-33)
Other Anions	10	mmol/L	(4-17)
Glucose	5.0	mmol/L	random (3.0-7.7)
Urea	6.5	mmol/L	(2.5-8.0)
Creatinine	114	umol/L	(60-130)
eGFR	72	mL/min	(over 59)
Uric Acid	0.23	mmol/L	(0.12-0.45)
Total Bilirubin	11	umol/L	(2-20)
Direct Bilirubin	2	umol/L	(0-8)
Alk. Phos.	47	U/L	(30-115)
Gamma G.T.	15	U/L	(0-70)
ALT	28	U/L	(0-45)
AST	24	U/L	(0-41)
LD	160	U/L	(80-250)
Calcium	2.28	mmol/L	(2.15-2.60)
Adjusted for Albumin	2.27	mmol/L	(2.15-2.60)
Phosphate	1.1	mmol/L	(0.8-1.5)
Total Protein	64	g/L	(60-82)
Albumin	43	g/L	(35-50)
Globulins	21	g/L	(20-40)
Cholesterol	5.5	mmol/L	(3.6-6.7)
Triglycerides	1.9	mmol/L	random (0.3-4.0)

Tests Completed: FBC, SE E/LFT, SE C-REACTIVE PROTEIN
Tests Pending : HAV IGG, HBSAB, SE AFP, IRON STUDIES, LEUKAEMIA MARKER STUDIES
Tests Pending : SE FREE LIGHT CHAINS, PSA, SE EPP

BARNES, JOEL A
59 PETER MILLS DR, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-74981379-PSA-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR HANLON SIA
Copy to:
DR KARIN D HOURIEZ

Name of Test: PROSTATE SPECIFIC ANTIGEN
Requested: 13/05/2025 **Collected:** 26/05/2025 **Reported:** 26/05/2025 22:30

Total PSA (Alinity) 0.76 ug/L (0.25-2.10)

For men under 70, if PSA levels are > 3.0 ug/L but < 10 ug/L (or >2 ug/L but < 10 ug/L with a significant family history), confirmatory testing within 1 to 3 months is recommended. Men aged 70 and above, with PSA levels > 5.5 ug/L but < 10 ug/L, should also undergo confirmatory testing within 1 to 3 months. Please note that PSA testing is only recommended for asymptomatic men over 70 if life expectancy is greater than 7 years.

Please note change in PSA reference intervals on 21/11/2023.

It is important that the same method is used for serial testing because PSA values may differ between methods for different patients.

If interpretive assistance is required please contact a pathologist on (07) 3121 4444.

Guidelines regarding PSA testing available at: <https://bit.ly/3SbDaY7>

Tests Completed:FBC, SE E/LFT, SE C-REACTIVE PROTEIN, PSA
Tests Pending :HAV IGG, HBSAB, SE AFP, IRON STUDIES, LEUKAEMIA MARKER STUDIES
Tests Pending :SE FREE LIGHT CHAINS, SE EPP

BARNES, JOEL A
59 PETER MILLS DR, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-74981379-HPP-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR HANLON SIA
Copy to:
DR KARIN D HOURIEZ

Name of Test: HEPATITIS A B C MASTER
Requested: 13/05/2025 **Collected:** 26/05/2025 **Reported:** 26/05/2025 23:02

HEPATITIS SEROLOGY
Hepatitis A IgG antibody (HAVIgG): **POSITIVE**
Hepatitis B surface antibody (HBsAb) : > 1000 mIU/mL

Hepatitis A comment
IMMUNE to Hepatitis A

Hepatitis B comment
IMMUNE to Hepatitis B

Booster doses of HepB vax are not required if seroconversion is documented after vaccination of immunocompetent patients. Booster doses may be required in dialysis patients, HIV positive patients or immunosuppressed patients.

Please note under some circumstances a person with an antibody level of <30 mIU/mL who has had a distinct Hepatitis B exposure may need consideration for additional vaccine.

Tests Completed:HAV IGG, HBSAB, IRON STUDIES, FBC, SE E/LFT, SE C-REACTIVE PROTEIN
Tests Completed:PSA
Tests Pending :SE AFP, LEUKAEMIA MARKER STUDIES, SE FREE LIGHT CHAINS, SE EPP

BARNES, JOEL A
59 PETER MILLS DR, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-74981379-TMM-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR HANLON SIA
Copy to:
DR KARIN D HOURIEZ

Name of Test: TUMOUR MARKER MASTER
Requested: 13/05/2025 **Collected:** 26/05/2025 **Reported:** 27/05/2025 01:24

AFP (Siemens) 5 ug/L (< 8)

Tests Completed:HAV IGG, HBSAB, SE AFP, IRON STUDIES, FBC, SE E/LFT
Tests Completed:SE C-REACTIVE PROTEIN, PSA
Tests Pending :LEUKAEMIA MARKER STUDIES, SE FREE LIGHT CHAINS, SE EPP

BARNES, JOEL A
59 PETER MILLS DR, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 Sex: M Medicare Number: 43590039151
Your Reference: Lab Reference: 25-74981379-SBJ-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ Referred by: DR HANLON SIA
Copy to: DR KARIN D HOURIEZ

Name of Test: FREE LIGHT CHAINS,SERUM
Requested: 13/05/2025 Collected: 26/05/2025 Reported: 27/05/2025 16:47

CUMULATIVE SERUM IMMUNOGLOBULIN FREE LIGHT CHAIN QUANTITATION

Date 26/05/25
Time 13:30
Lab No 74981379

kappa FLC	16 mg/L (3-19)
lambda FLC	24 mg/L (6-26)
kappa/lambda ratio	0.67 (0.26-1.65)

74981379
Normal findings.

From 17/5/2021 Method: Freelite Immunoassay on Binding Site Optilite. The same method should be used if the patient is being monitored with serial measurements. In patients with CKD, a reference interval of 0.37-3.10 can be used for K/L ratio.

Tests Completed:HAV IGG, HBSAB, SE AFP, IRON STUDIES, FBC, SE E/LFT
Tests Completed:SE FREE LIGHT CHAINS, SE C-REACTIVE PROTEIN, PSA, SE EPP
Tests Pending :LEUKAEMIA MARKER STUDIES

BARNES, JOEL A
59 PETER MILLS DR, GILSTON. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 Sex: M Medicare Number: 43590039151
Your Reference: Lab Reference: 25-74981379-CMM-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ Referred by: DR HANLON SIA
Copy to: DR KARIN D HOURIEZ

Name of Test: MASTER LYMPHOMA/LEUKAEMIA
Requested: 13/05/2025 Collected: 26/05/2025 Reported: 28/05/2025 11:59

CELL SURFACE MARKER ANALYSIS

Specimen Submitted : Peripheral blood
Population Reported: Standard Lymphoid Phenotype Reported.

T CELL LINEAGE		B CELL LINEAGE	
CD 7	90 %	CD19	8 %
CD 2	87 %	CD20	8 %
CD 5	79 %	SmIg	8 %
CD 3	77 %	kappa	4 %
CD 4	50 %	lambda	4 %
CD 8	25 %		
CD56	14 %		
CD16	14 %		
CD4:8	2.0		

Total Lymphocyte Count	2.1	x10 ^9 /L	(1.1-4.0)
Subsets:			
CD19+ Total B Cells	0.17	x10 ^9 /L	(0.06-0.60)
CD3+ Mature T Cells	1.60	x10 ^9 /L	(0.80-2.40)
CD4+ T Cell Subset	1.04	x10 ^9 /L	(0.50-1.60)
CD8+ T Cell Subset	0.52	x10 ^9 /L	(0.20-1.00)
CD56+ NK Cells	0.29	x10 ^9 /L	(0.07-0.60)
CD16+ NK Cells	0.29	x10 ^9 /L	

Comment:

B cell and T cell subset numbers are within normal limits.

The majority of lymphoid cells are T cells. The B cells present are polyclonal. There is no evidence of a B cell lymphoproliferative disorder.

Dr P. Davidson [Consultant Haematologist]

C5-1271;BE03515

Tests Completed:HAV IGG, HBSAB, SE AFP, IRON STUDIES, LEUKAEMIA MARKER STUDIES, FBC
Tests Completed:SE E/LFT, SE FREE LIGHT CHAINS, SE C-REACTIVE PROTEIN, PSA, SE EPP
Tests Pending :

BARNES, JOEL A
148 BEAUDESERT NERANG RD, NERANG. 4211
Phone: 04 10896630
Birthdate: 25/03/1992 **Sex:** M **Medicare Number:** 43590039151
Your Reference: **Lab Reference:** 25-92000382-25T-0
Laboratory: QML Pathology
Addressee: DR KARIN D HOURIEZ **Referred by:** DR KARIN D HOURIEZ

Name of Test: E/LFT (MASTER)
Requested: 16/05/2025 **Collected:** 05/06/2025 **Reported:** 05/06/2025 16:00

SERUM CHEMISTRY			
Sodium	137	mmol/L	(137-147)
Potassium	4.8	mmol/L	(3.5-5.0)
Chloride	100	mmol/L	(96-109)
Bicarbonate	28	mmol/L	(25-33)
Other Anions	14	mmol/L	(4-17)
Urea	6.4	mmol/L	(2.5-8.0)
Creatinine	103	umol/L	(60-130)
eGFR	82	mL/min	(over 59)
Total Bilirubin	11	umol/L	(2-20)
Alk. Phos.	49	U/L	(30-115)
Gamma G.T.	16	U/L	(0-70)
ALT	31	U/L	(0-45)
AST	28	U/L	(0-41)
LD	173	U/L	(80-250)
Albumin	42	g/L	(35-50)
Globulins	28	g/L	(20-40)

Tests Completed:SE U/C/ELECTS, SE LFT
Tests Pending :

