

HYNES, BENJAMIN
45 WALHALLA DR, EYNESBURY. 3338
Phone: 0418990942
Birthdate: 08/06/1980 Sex: M Medicare Number: 33869205271
Your Reference: 00263890 Lab Reference: 24-20806062-HAE-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR WOODROW WU Referred by: DR WOODROW C WU

Name of Test: HAEMATOLOGY GENERAL
Requested: 18/06/2024 Collected: 05/07/2024 Reported: 05/07/2024
19:09

CLINICAL NOTES: routine check

HAEMATOLOGY

SPECIMEN: WHOLE BLOOD

Date:	05/07/24	10/10/23	21/06/23	(#Refers to current
Coll. Time:	09:58	15:27	10:37	result only)
Lab Number:	#20806062	81736794	79340240	

HAEMOGLOBIN	141	138	146	(125 - 175) g/L
RBC	5.16	4.88	4.95	(4.50 - 6.50)x10 ^12 /L
HCT	0.45	0.42	0.44	(0.40 - 0.55)
MCV	88	86	89	(80 - 99) fL
MCH	27.3	28.3	29.5	(27.0 - 34.0)pg
MCHC	311	329	331	(310 - 360) g/L
RDW	13.8	13.6	13.6	(11.0 - 15.0)%
WCC	4.8	4.9	5.7	(4.0 - 11.0) x10 ^9 /L
Neutrophils	2.4	2.6	3.1	(2.0 - 8.0) x10 ^9 /L
Lymphocytes	1.8	1.6	1.9	(1.0 - 4.0) x10 ^9 /L
Monocytes	0.4	0.4	0.5	(< 1.1) x10 ^9 /L
Eosinophils	< 0.1	0.2	0.2	(< 0.7) x10 ^9 /L
Basophils	0.0	< 0.1	< 0.1	(< 0.3) x10 ^9 /L
PLATELETS	254	233	248	(150 - 450) x10 ^9 /L

#20806062 : Normal full blood count.

GLS-W GHB-W OHD-W BFO-W FBE-C IS-W LIP-W CPM-W ECU-W LFT-W T

This request has other tests in progress at the time of reporting

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Phone: 0418990942
Birthdate: 08/06/1980 Sex: M Medicare Number: 33869205271
Your Reference: 00263890 Lab Reference: 24-20806062-OHD-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR WOODROW WU Referred by: DR WOODROW C WU

Name of Test: VITAMIN D
Requested: 18/06/2024 Collected: 05/07/2024 Reported: 05/07/2024
19:12

CLINICAL NOTES: routine check

BIOCHEMISTRY

VITAMIN D

SPECIMEN: SERUM

Date	Time	Lab No.	25-hydroxy Vitamin D

05/07/24 09:58 20806062 * 43 (50 - 200) nmol/L

20806062 Low levels of 25-hydroxy vitamin D may be seen with lack of sunlight exposure, nutritional deficiency disorders (dietary, malabsorption, phenytoin therapy etc) and in hepatic disorders associated with impaired hydroxylation of cholecalciferol (vitamin D3).

Interpretation:

Vitamin D deficiency <50 nmol/L
Severe deficiency <20 nmol/L

COMMENT: Vitamin D sufficiency is defined as greater than or equal to 50 nmol/L at the end of winter (level may need to be 10-20 nmol/L higher at the end of summer).

Reference: Position Statement. Vitamin D and Health in Adults in Australia and New Zealand. MJA,196(11): 686-687, 2012.

GLS-W GHB-W OHD-C BFO-w FBE-C IS-W LIP-W CPM-W ECU-W LFT-W T

This request has other tests in progress at the time of reporting

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Phone: 0418990942

Birthdate: 08/06/1980 Sex: M Medicare Number: 33869205271

Your Reference: 00263890 Lab Reference: 24-20806062-TMA-0

Laboratory: AUSTRALIAN CLINICAL LABS

Addressee: DR WOODROW WU Referred by: DR WOODROW C WU

Name of Test: TFT MASTER PANEL

Requested: 18/06/2024 Collected: 05/07/2024 Reported: 05/07/2024
19:12

CLINICAL NOTES: routine check

ENDOCRINOLOGY

THYROID FUNCTION TEST

SPECIMEN: SERUM

Date:	05/07/24	21/06/23	17/05/22
Coll. Time:	09:58	10:37	09:15
Lab Number:	20806062	79340240	64936951

TSH 1.03 0.84 0.73 (0.40 - 4.00)mIU/L

20806062 Normal TSH level.

GLS-W GHB-W OHD-C BFO-w FBE-C IS-W LIP-W CPM-W ECU-W LFT-W T

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Phone: 0418990942

Birthdate: 08/06/1980 Sex: M Medicare Number: 33869205271

Your Reference: 00263890 Lab Reference: 24-20806062-BFM-0

Laboratory: AUSTRALIAN CLINICAL LABS

Addressee: DR WOODROW WU Referred by: DR WOODROW C WU

Name of Test: B12, FOLATE (SERUM/RBC)

Requested: 18/06/2024 Collected: 05/07/2024 Reported: 05/07/2024
20:16

CLINICAL NOTES: routine check

BIOCHEMISTRY

VITAMIN B12 AND FOLATE

SPECIMEN: SERUM/BLOOD

Date: 05/07/24 17/05/22
Time: 09:58 09:15
Lab Number: 20806062 64936951

Vitamin B12	202	236		pmol/L
Active B12	92	82	(> 30)	pmol/L
Folate	38.1			nmol/L

20806062 Normal B12 and folate results.

RANGES	B12	Serum Folate	Red Cell Folate
Normal	> 180	> 10.0	> 450
Equivocal	150 - 180	5.0 - 10.0	350 - 450
Deficient	< 150	< 5.0	< 350

Vitamin B12 and Folate analyses are performed on the Siemens Centaur/Atellica.

GLS-W GHB-W OHD-R BFO-C FBE-R IS-W LIP-W CPM-W ECU-W LFT-W T

This request has other tests in progress at the time of reporting

HYNES, BENJAMIN
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Phone: 0418990942
Birthdate: 08/06/1980 Sex: M Medicare Number: 33869205271
Your Reference: 00263890 Lab Reference: 24-20806062-MBI-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR WOODROW WU Referred by: DR WOODROW C WU

Name of Test: MULTIPLE BIOCHEM ANALYSIS
Requested: 18/06/2024 Collected: 05/07/2024 Reported: 05/07/2024
20:21

CLINICAL NOTES: routine check

GENERAL CHEMISTRY

SPECIMEN: SERUM

Date: 05/07/24 10/10/23 21/06/23
Coll. Time: 09:58 15:27 10:37
Lab Number: 20806062 81736794 79340240

Sodium	143	140	142	(135 - 145)	mmol/L
Potassium	4.8	4.4	5.0	(3.5 - 5.2)	mmol/L
Chloride	106	105	105	(95 - 110)	mmol/L
Bicarbonate	27	27	29	(22 - 32)	mmol/L
Urea	6.9	7.3	6.4	(3.5 - 8.0)	mmol/L
Creatinine	85	85	79	(60 - 110)	umol/L
eGFR	> 90	> 90	> 90	(> 59) mL/min/1.73m2	
Urate		0.25		(0.18 - 0.47)	mmol/L
Calcium	2.56			(2.10 - 2.60)	mmol/L
Adj. Ca.	2.50			(2.10 - 2.60)	mmol/L

Magnesium	0.97			(0.70 - 1.10) mmol/L
Phosphate	1.08			(0.75 - 1.50) mmol/L
T.Protein	74	75		(60 - 80) g/L
Albumin	44	42		(35 - 50) g/L
Globulin	30	33		(23 - 39) g/L
ALP	75	83		(30 - 110) U/L
Bilirubin	8	7		(3 - 20) umol/L
GGT	47	*	67	(5 - 50) U/L
AST	23		31	(5 - 35) U/L
ALT	36	*	51	(5 - 40) U/L

20806062 Within reference intervals.

GLS-C GHB-W OHD-R BFO-C FBE-R IS-W LIP-W CPM-C ECU-C LFT-C T

This request has other tests in progress at the time of reporting

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Phone: 0418990942

Birthdate: 08/06/1980 Sex: M Medicare Number: 33869205271

Your Reference: 00263890 Lab Reference: 24-20806062-GLS-0

Laboratory: AUSTRALIAN CLINICAL LABS

Addressee: DR WOODROW WU Referred by: DR WOODROW C WU

Name of Test: GLUCOSE

Requested: 18/06/2024 Collected: 05/07/2024 Reported: 05/07/2024
20:21

CLINICAL NOTES: routine check

BIOCHEMISTRY

GLUCOSE

Date	Time	Lab#	Collection Type	Specimen	Glucose (mmol/L)
05/07/24	09:58	20806062	Fasting	serum	5.4
21/06/23	10:37	79340240	Fasting	serum	5.0
17/05/22	09:15	64936951	Fasting	serum	5.1

20806062 Normal fasting glucose.

NOTE: HbA1c has been requested.

Glucose Reference Ranges

Random 3.0 - 6.9 mmol/L

Fasting 3.0 - 5.4 mmol/L

1 Hour post prandial 3.0 - 11.0 mmol/L

2 Hour post prandial 3.0 - 7.7 mmol/L

Specimen Legend:

Fl-ox = Fluoride oxalate, serum = Serum, np = Non-Preserved

GLS-C GHB-W OHD-R BFO-C FBE-R IS-C LIP-C CPM-C ECU-C LFT-C T

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Birthdate: 08/06/1980 Sex: M Medicare Number: 33869205271

Your Reference: 00263890 Lab Reference: 24-20806062-ISM-0

Laboratory: AUSTRALIAN CLINICAL LABS

Addressee: DR WOODROW WU Referred by: DR WOODROW C WU

Name of Test: IRON MASTER
Requested: 18/06/2024 **Collected:** 05/07/2024 **Reported:** 05/07/2024
20:21

CLINICAL NOTES: routine check

BIOCHEMISTRY

IRON STUDIES

SPECIMEN: SERUM

Date:	05/07/24	21/06/23	17/05/22
Coll. Time:	09:58	10:37	09:15
Lab Number:	20806062	79340240	64936951

Iron	27.6		21.1	(10.0 - 30.0)	umol/L
Transferrin	2.66		2.54	(2.10 - 3.80)	g/L
Saturation	42		33	(15 - 50)	%
Ferritin	80	89	72	(30 - 500)	ug/L

20806062 Iron studies are within normal limits.

GLS-C GHB-W OHD-R BFO-C FBE-R IS-C LIP-C CPM-C ECU-C LFT-C T

This request has other tests in progress at the time of reporting

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Phone: 0418990942
Birthdate: 08/06/1980 **Sex:** M **Medicare Number:** 33869205271
Your Reference: 00263890 **Lab Reference:** 24-20806062-LS-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR WOODROW WU **Referred by:** DR WOODROW C WU

Name of Test: LIPID STUDIES
Requested: 18/06/2024 **Collected:** 05/07/2024 **Reported:** 05/07/2024
20:21

CLINICAL NOTES: routine check

BIOCHEMISTRY

LIPID STUDIES

SPECIMEN: SERUM

Date:	05/07/24	21/06/23	25/01/23	
Coll. Time:	09:58	10:37	09:02	Desirable Range
Lab Number:	20806062	79340240	75452973	(Fasting)

Fasting Status	Fasting	Fasting	Fasting	
Total Chol.	* 6.5	* 6.5	* 6.5	(< 5.6) mmol/L
HDL Chol.	1.3	1.4	1.6	(> 0.9) mmol/L
LDL Chol.	* 4.3	* 4.0	* 4.0	(< 3.1) mmol/L
Non-HDL Chol.	* 5.2	* 5.1	* 4.9	(< 4.1) mmol/L
Triglyceride	2.0	* 2.3	* 2.0	(< 2.1) mmol/L
LDL/HDL Ratio	3.3	2.9	2.5	
Chol/HDL Ratio	5.0	4.6	4.1	

20806062 Moderate elevation in LDL-Cholesterol. Interpret in conjunction with other cardiovascular risk factors or treatment targets.

Recommended targets for high risk patients are
Total cholesterol < 4.0 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)
Fasting triglycerides < 2.0 mmol/L

Lipid ranges and targets are from the AACB Guideline for Harmonised Lipid Reporting (2018)
Target values need to be individualised based on clinical assessment of overall risk.
See the AusCVD Risk calculator at www.cvdcheck.org.au

GLS-C GHB-W OHD-R BFO-C FBE-R IS-C LIP-C CPM-C ECU-C LFT-C T

This request has other tests in progress at the time of reporting

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Phone: 0418990942
Birthdate: 08/06/1980 Sex: M Medicare Number: 33869205271
Your Reference: 00263890 Lab Reference: 24-20806062-GHB-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR WOODROW WU Referred by: DR WOODROW C WU

Name of Test: GLYCATED HB
Requested: 18/06/2024 Collected: 05/07/2024 Reported: 05/07/2024
20:25

CLINICAL NOTES: routine check

BIOCHEMISTRY

HAEMOGLOBIN A1c

SPECIMEN: WHOLE BLOOD

Date	Coll Time	Req. No.	IFCC	DCCT
			HbA1c (mmol/mol)	HbA1c (%)
05/07/24	09:58	20806062	39	5.7
21/06/23	10:37	79340240	40	5.8

20806062 HbA1c consistent with euglycaemic state.

INTERPRETATION CRITERIA

DIAGNOSIS.

A HbA1c greater than or equal to 48 mmol/mol (6.5 %) is consistent with diabetes. Consider OGTT or repeat HbA1c for confirmation.
HbA1c 6.0 - 6.4% is consistent with prediabetes. Repeat testing annually is recommended. (ADS position statement 2020)

MONITORING.

The Australian Diabetes Society (ADS) recommends individualised HbA1c targets depending on the patient's age, comorbidities and any Hypoglycaemia (ADS position statement 2009).
A general target of less than or equal to 53 mmol/mol (7.0%) is often used.

Please note that Hb A1c results may be influenced by conditions affecting red cells or their survival times such as haemoglobinopathies, anaemias, recent transfusion or blood loss.

HbA1c tested on Roche c513 using Gen. 3 assay.

GLS-C GHB-C OHD-R BFO-C FBE-R IS-C LIP-C CPM-C ECU-C LFT-C T

All tests on this request have now been completed