

AUSTRALIAN CLINICAL LABS 1868 DANDENONG RD, CLAYTON

PATIENT:

BIRD, NATASHA

5 GREBE STREETS

SEMAPHORE PARK SA 5019

PH: 0411 829 484

DOB: 05/FEB/1992 (33Y)

SEX: FEMALE

UR#: 935659624992

REF:

REQUEST DETAILS

LAB REF: 25-35784211-GHB-0

REFERRED: 13/08/2025

COLLECTED: 25/08/2025 07:05

REPORTED: 26/08/2025 10:42

SERVICE: 25/08/2025 08:27

BATCH:

REPORT TO:

NIKHILAYYAR

446888TJ

CLINICAL NOTES: autoimmune thyroid

BIOCHEMISTRY

HAEMOGLOBIN A1c

SPECIMEN: WHOLE BLOOD

Date	Coll Time	Req. No.	IFCC	DCCT
			HbA1c (mmol/mol)	HbA1c (%)
25/08/25	07:05	35784211	37	5.5

35784211 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. 4 assay.

PFS-R GHB-C OHD-R THA-R BFO-R FBE-R IS-R LIP-R MBA-R FT3-R F

All tests on this request have now been completed

Patient: BIRD, NATASHA

Further Tests ☐

Surgery Use ☐

Normal ☐

No Action ☐

Contact Patient ☐

PAGE: 1 OF 9

See Patient ☐

PATIENT: BIRD, NATASHA 5 GREBE STREETS SEMAPHORE PARK SA 5019 PH: 0411 829 484 DOB: 05/FEB/1992 (33Y) SEX: FEMALE UR#: 935659624992 REF:		REQUEST DETAILS LAB REF: 25-35784211-THA-0 REFERRED: 13/08/2025 COLLECTED: 25/08/2025 07:05 REPORTED: 25/08/2025 10:38 SERVICE: 25/08/2025 08:27 BATCH:	REPORT TO: NIKHIL AYYAR 446888TJ
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CLINICAL NOTES: autoimmune thyroid

BIOCHEMISTRY - THYROID AUTOANTIBODIES - CUMULATIVE				SPECIMEN: SERUM
Date	Lab Number	aTGII (IU/ml) (< 4.5)	aTPOII (IU/ml) (< 13.8)	aTPO (U/ml) (< 60)
25/08/25	35784211 *	310.6 *	383.9	
12/03/25	30536601 *	137.9		38
25/10/24	24425617 *	153.1		42
13/11/23	84693104 *	55.2		28

Elevated thyroid antibody levels. This may be associated with auto-immune thyroid disease. Elevated TSH noted.

Key:
aTGII - anti-thyroglobulin antibodies
aTPOII - anti-thyroid peroxidase antibodies II
aTPO - anti-thyroid peroxidase antibodies

Anti-ThyroGlobulin assay (aTGII) is standardised to the WHO International Reference Preparation, Human (NIBSC 65/093) and is performed on the Siemens Centaur/Atellica Immunoassay systems.

From 14/04/2025 ACL has introduced an improved aTPOII method.
Please note, the numerical results will be different from the old method and are not comparable.

PFS-R GHB-W OHD-R THA-C BFO-R FBE-R IS-R LIP-R MBA-R FT3-R F

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

PATIENT: BIRD, NATASHA 5 GREBE STREETS SEMAPHORE PARK SA 5019 PH: 0411 829 484 DOB: 05/FEB/1992 (33Y) SEX: FEMALE UR#: 935659624992 REF:	REQUEST DETAILS LAB REF: 25-35784211-ISM-0 REFERRED: 13/08/2025 COLLECTED: 25/08/2025 07:05 REPORTED: 25/08/2025 10:18 SERVICE: 25/08/2025 08:27 BATCH:	REPORT TO: NIKHIL AYYAR 446888TJ
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CLINICAL NOTES: autoimmune thyroid

BIOCHEMISTRY

IRON STUDIES

SPECIMEN: SERUM

Date:	25/08/25	12/03/25	12/03/25	
Lab Number:	35784211	30536601	30536604	

Iron

Transferrin

Saturation

Ferritin

19.2

2.66

29

32

11.7

2.68

17

37

37

(10.0 - 30.0) umol/L

(2.10 - 3.80) g/L

(15 - 45) %

(30 - 200) ug/L

35784211 Iron studies are within normal limits.

PFS-R GHB-W OHD-C THA-W BFO-C FBE-R IS-C LIP-R MBA-R FT3-C F

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

PATIENT:

BIRD, NATASHA

5 GREBE STREETS

SEMAPHORE PARK SA 5019

PH: 0411 829 484

DOB: 05/FEB/1992 (33Y)

SEX: FEMALE

UR#: 935659624992

REF:

REQUEST DETAILS

LAB REF: 25-35784211-TMA-0

REFERRED: 13/08/2025

COLLECTED: 25/08/2025 07:05

REPORTED: 25/08/2025 10:18

SERVICE: 25/08/2025 08:27

BATCH:

REPORT TO:

NIKHIL AYYAR

446888TJ

CLINICAL NOTES: autoimmune thyroid

ENDOCRINOLOGY

THYROID FUNCTION ASSAYS				SPECIMEN: SERUM	
Date:	25/08/25	12/03/25	12/03/25	08/11/24	
Coll. Time:	07:05	08:29	08:29	08:25	
Lab Number:	35784211	30536601	30536604	24963472	

Free T4	15.0	14.1	14.1	15.2	pmol/L (9.0 - 25.0)
TSH	* 7.23	3.66	3.61	* 4.12	mIU/L (0.40 - 4.00)
Free T3	5.3	5.7		4.8	pmol/L (3.5 - 6.5)

35784211 Consistent with subclinical hypothyroidism.

PFS-R GHB-W OHD-C THA-W BFO-C FBE-R IS-C LIP-R MBA-R FT3-C F

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

PATIENT: BIRD, NATASHA 5 GREBE STREETS SEMAPHORE PARK SA 5019 PH: 0411 829 484 DOB: 05/FEB/1992 (33Y) SEX: FEMALE UR#: 935659624992 REF:		REQUEST DETAILS LAB REF: 25-35784211-BFM-0 REFERRED: 13/08/2025 COLLECTED: 25/08/2025 07:05 REPORTED: 25/08/2025 10:18 SERVICE: 25/08/2025 08:27 BATCH:	REPORT TO: NIKHIL AYYAR 446888TJ
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CLINICAL NOTES: autoimmune thyroid

BIOCHEMISTRY

B12 METABOLIC PATHWAY

SPECIMEN: SERUM/BLOOD

Date:	25/08/25	12/03/25	25/10/24	
Time:	07:05	08:29	08:25	
Lab Number:	35784211	30536604	21050488	

Vitamin B12	355	318	498	pmol/L
Active B12		> 146	(> 30)	pmol/L
Folate	25.0	21.8		nmol/L

35784211 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.

PFS-R GHB-W OHD-C THA-W BFO-C FBE-R IS-C LIP-R MBA-R FT3-C F

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

AUSTRALIAN CLINICAL LABS 1 BUTLER BOULEVARD, ADELAIDE AIRPORT

PATIENT:

BIRD, NATASHA

5 GREBE STREETS

SEMAPHORE PARK SA 5019

PH: 0411 829 484

DOB: 05/FEB/1992 (33Y)

SEX: FEMALE

UR#: 935659624992

REF:

REQUEST DETAILS

LAB REF: 25-35784211-OHD-0

REFERRED: 13/08/2025

COLLECTED: 25/08/2025 07:05

REPORTED: 25/08/2025 10:15

SERVICE: 25/08/2025 08:27

BATCH:

REPORT TO:

NIKHIL AYYAR

446888TJ

CLINICAL NOTES: autoimmune thyroid

ENDOCRINOLOGY

VITAMIN D

SPECIMEN: SERUM

Date	Req. No.	25-hydroxy Vitamin D		
25/08/25	35784211	66	(50 - 200)	nmol/L
12/03/25	30536604	98		

35784211 Within normal limits.

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.

PFS-R GHB-W OHD-C THA-W BFO-W FBE-C IS-W LIP-C MBA-C FT3-W F

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

Patient: BIRD, NATASHA

Further Tests ☐

Surgery Use ☐

Normal ☐

No Action ☐

Contact Patient ☐

PAGE: 6 OF 9

See Patient ☐

PATIENT:
BIRD, NATASHA

5 GREBE STREETS

SEMAPHORE PARK SA 5019

PH: 0411 829 484

DOB: 05/FEB/1992 (33Y) SEX: FEMALE

UR#: 935659624992 REF:

REQUEST DETAILS
LAB REF: 25-35784211-LS-0

REFERRED: 13/08/2025

COLLECTED: 25/08/2025 07:05

REPORTED: 25/08/2025 10:11

SERVICE: 25/08/2025 08:27

BATCH:
REPORT TO:
NIKHIL AYYAR

446888TJ

CLINICAL NOTES: autoimmune thyroid

BIOCHEMISTRY
LIPID STUDIES
SPECIMEN: SERUM

Date:	25/08/25	12/03/25	Desirable Range	
Lab Number:	35784211	30536604	(Fasting)	

Fasting Status	Fasting	Fasting		
Total Chol.	5.3	* 5.7	(< 5.6)	mmol/L
HDL Chol.	2.3	2.0	(> 1.1)	mmol/L
LDL Chol.	2.6	* 3.2	(< 3.1)	mmol/L
Non-HDL Chol.	3.0	3.7	(< 4.1)	mmol/L
Triglyceride	0.9	1.0	(< 2.1)	mmol/L
LDL/HDL Ratio	1.1	1.6		
Chol/HDL Ratio	2.3	2.8		

35784211 Interpret in conjunction with other cardiovascular risk factors or treatment targets.

Please note, from 27/09/2023, modified lipid reference ranges apply.

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

PFS-R GHB-W OHD-W THA-W BFO-W FBE-C IS-W LIP-C MBA-C FT3-W F

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

Patient: BIRD, NATASHA

PAGE: 7 OF 9

Further Tests ☐

Surgery Use ☐

Normal ☐

No Action ☐

Contact Patient ☐

See Patient ☐

AUSTRALIAN CLINICAL LABS 1 BUTLER BOULEVARD, ADELAIDE AIRPORT

PATIENT:

BIRD, NATASHA

5 GREBE STREETS

SEMAPHORE PARK SA 5019

PH: 0411 829 484

DOB: 05/FEB/1992 (33Y) SEX: FEMALE

UR#: 935659624992 REF:

REQUEST DETAILS

LAB REF: 25-35784211-MBI-0

REFERRED: 13/08/2025

COLLECTED: 25/08/2025 07:05

REPORTED: 25/08/2025 10:11

SERVICE: 25/08/2025 08:27

BATCH:

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CLINICAL NOTES: autoimmune thyroid

GENERAL CHEMISTRY

SPECIMEN: SERUM

Sodium 142 mmol/L (135 - 145)

Pot. 4.3 mmol/L (3.5 - 5.2)

Chlor. 105 mmol/L (95 - 110)

Bicarb. 28 mmol/L (22 - 32)

Urea 4.7 mmol/L (3.0 - 7.0)

Creat. 67 umol/L (45 - 90)

eGFR > 90 mL/min/1.73m2 (> 59)

Urate 0.24 mmol/L (0.15 - 0.45)

Calcium 2.35 mmol/L (2.10 - 2.60)

Adj. Ca 2.37 mmol/L (2.10 - 2.60)

Phos. 1.22 mmol/L (0.75 - 1.50)

T.Prot. 67 g/L (60 - 80)

Albumin 39 g/L (35 - 50)

Glob. 28 g/L (23 - 39)

Alk.Phos 52 U/L (30 - 110)

Bili. 15 umol/L (3 - 20)

GGTP 11 U/L (5 - 35)

AST 29 U/L (5 - 30)

ALT 23 U/L (5 - 35)

LD 184 U/L (120 - 250)

Within reference intervals.

PFS-R GHB-W OHD-W THA-W BFO-W FBE-C IS-W LIP-C MBA-C FT3-W F

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

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Further Tests ☐

Surgery Use ☐

Normal ☐

No Action ☐

Contact Patient ☐

PAGE: 8 OF 9

See Patient ☐

PATIENT:
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5 GREBE STREETS
SEMAPHORE PARK SA 5019
PH: 0411 829 484
DOB: 05/FEB/1992 (33Y) SEX: FEMALE
UR#: 935659624992 REF:

REQUEST DETAILS
LAB REF: **25-35784211-HAE-0**
REFERRED: 13/08/2025
COLLECTED: 25/08/2025 07:05
REPORTED: 25/08/2025 10:10
SERVICE: 25/08/2025 08:27
BATCH:

REPORT TO:
NIKHILAYYAR
446888TJ

CLINICAL NOTES: autoimmune thyroid

HAEMATOLOGY				SPECIMEN: WHOLE BLOOD	
Date:	25/08/25	12/03/25	13/11/23	# Refers to current result only)	
Coll. Time:	07:05	08:29	08:55		
Lab Number:	35784211	30536604	82685597		

HAEMOGLOBIN	139	140	144	(115 - 165)	g/L
RBC	4.63	4.78	4.67	(3.80 - 5.50)x10 ^12	/L
HCT	0.42	0.43	0.43	(0.35 - 0.47)	
MCV	90	89	93	(80 - 99)	fL
MCH	30.0	29.3	30.8	(27.0 - 34.0)pg	
MCHC	334	329	332	(310 - 360)	g/L
RDW	13.2	13.7	12.7	(11.0 - 15.0)%	
WCC	5.5	5.3	5.7	(4.0 - 11.0)	x10 ^9 /L
Neutrophils	2.5	2.3	2.5	(2.0 - 8.0)	x10 ^9 /L
Lymphocytes	2.4	2.4	2.7	(1.0 - 4.0)	x10 ^9 /L
Monocytes	0.5	0.4	0.4	(< 1.1)	x10 ^9 /L
Eosinophils	< 0.1	0.1	0.1	(< 0.7)	x10 ^9 /L
Basophils	0.0	< 0.1		(< 0.3)	x10 ^9 /L
PLATELETS	220	204	179	(150 - 450)	x10 ^9 /L

#35784211 : The red cell, white cell and platelet parameters are within normal limits.

PFS-R GHB-W OHD-W THA-W BFO-W FBE-C IS-W LIP-W MBA-W FT3-W F

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