



Referrer Dr Claudia Nicholson

Address SAPPHIRE MED CTR SHOP 2 & 3 95-99 BRONTE ROAD
BONDI JUNCTION NSW 2022

Phone 0281882568

Your ref. 00040607

Address 5/301 ALISON RD
COOGEE NSW 2034

Phone 0406125902

Copy to Ms Alexandra Middleton (0410503376)

Requested 23/09/2019

Collected 24/09/2019 08:56 AEDT

Received 24/09/2019 09:04 AEDT

Caeruloplasmin

(Abbott Architect Method)

Caeruloplasmin	0.25	g/L	0.17 - 0.43
----------------	------	-----	-------------

Supervising Pathologist: GC, NT

NATA ACCREDITATION NO 2178



Referrer Dr Claudia Nicholson

Address SAPHIRE MED CTR SHOP 2 & 3 95-99 BRONTE ROAD
BONDI JUNCTION NSW 2022

Phone 0281882568

Your ref. 00040607

Address 5/301 ALISON RD
COOGEE NSW 2034

Phone 0406125902

Copy to Ms Alexandra Middleton (0410503376)

Requested 23/09/2019

Collected 24/09/2019 08:56 AEDT

Received 24/09/2019 09:04 AEDT

Biochemistry

Test Name	Result	Units	Reference Interval
Status	Fasting		
Sodium	140	mmol/L	135 - 145
Potassium	4.9	mmol/L	3.5 - 5.5
Chloride	105	mmol/L	95 - 110
Bicarbonate	29	mmol/L	20 - 32
Urea	3.9	mmol/L	2.5 - 7.0
Creatinine	60	umol/L	45 - 85
eGFR	>90	mL/min/1.73m2	>59
Total Bilirubin	13	umol/L	3 - 15
Alk Phos	47	U/L	20 - 105
Gamma GT	11	U/L	5 - 35
LDH	156	U/L	120 - 250
AST	25	U/L	10 - 35
ALT	19	U/L	5 - 30
Total Protein	68	g/L	68 - 85
Albumin	42	g/L	37 - 48
Globulin	26	g/L	23 - 39
Cholesterol	5.1	mmol/L	3.9 - 5.5
Triglycerides	0.7	mmol/L	0.5 - 1.7

Comments

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

Supervising Pathologist: GC, NT

NATA ACCREDITATION NO 2178



Referrer Dr Claudia Nicholson

Address SAPHIRE MED CTR SHOP 2 & 3 95-99 BRONTE ROAD
BONDI JUNCTION NSW 2022

Phone 0281882568

Your ref. 00040607

Address 5/301 ALISON RD
COOGEE NSW 2034

Phone 0406125902

Copy to Ms Alexandra Middleton (0410503376)

Requested 23/09/2019

Collected 24/09/2019 08:56 AEDT

Received 24/09/2019 09:04 AEDT

Iron Studies

Test Name	Result	Units	Reference Interval
Iron	22.2	umol/L	5.0 - 30.0
● Transferrin	1.8 L	g/L	2.0 - 3.6
● TIBC (Calculated)	42 L	umol/L	46 - 77
● Saturation	53 H	%	10 - 45
Ferritin	75	ug/L	15 - 200

Comments

? History of iron therapy. Recommend follow up iron studies.

Supervising Pathologist: GC, NT

NATA ACCREDITATION NO 2178

C Reactive Protein (High Sens)

Test Name	Result	Units	Reference Interval
CRP	<0.4	mg/L	0.0 - 5.0

Supervising Pathologist: GC, NT

NATA ACCREDITATION NO 2178



Referrer Dr Claudia Nicholson

Address SAPHIRE MED CTR SHOP 2 & 3 95-99 BRONTE ROAD
BONDI JUNCTION NSW 2022

Phone 0281882568

Your ref. 00040607

Address 5/301 ALISON RD
COOGEE NSW 2034

Phone 0406125902

Copy to Ms Alexandra Middleton (0410503376)

Requested 23/09/2019

Collected 24/09/2019 08:56 AEDT

Received 24/09/2019 09:04 AEDT

Glucose Tolerance Test

Glucose load	75	g	
Time	Plasma Glucose		
Fasting	4.7	mmol/L	3.6 - 6.0
2 Hours	3.9	mmol/L	3.6 - 7.7

DIAGNOSTIC CRITERIA:

Impaired Fasting Glycaemia (IFG) 6.1 - 6.9 mmol/L

Impaired Glucose Tolerance (IGT) 7.8 - 11.0 mmol/L

Diabetes Mellitus (DM)- Fasting ≥ 7.0 mmol/L, 2 hour (post 75 g) ≥ 11.1 mmol/L

Comments

Normal glucose results.

Supervising Pathologist: GC, NT

NATA ACCREDITATION NO 2178

Glucose

Test Name	Result	Units	Reference Interval
Glucose Fasting	4.9	mmol/L	3.6 - 6.0

Supervising Pathologist: GC, NT

NATA ACCREDITATION NO 2178



Referrer Dr Claudia Nicholson
Address SAPHIRE MED CTR SHOP 2 & 3 95-99 BRONTE ROAD
BONDI JUNCTION NSW 2022
Phone 0281882568

Your ref. 00040607
Address 5/301 ALISON RD
COOGEE NSW 2034
Phone 0406125902

Copy to Ms Alexandra Middleton (0410503376)

Requested 23/09/2019
Collected 24/09/2019 08:56 AEDT
Received 24/09/2019 09:04 AEDT

Thyroid Function

Test Name	Result	Units	Reference Interval
TSH	1.37	mIU/L	0.40 - 3.50
Free T4	11.2	pmol/L	9.0 - 19.0
Free T3	4.5	pmol/L	2.6 - 6.0

Comments

Euthyroid values.

Supervising Pathologist: GC, NT

NATA ACCREDITATION NO 2178

Insulin

(Abbott Architect Method)

Insulin, Fasting 5 mU/L 0 - 20

Comments

In a non-pregnant patient, serum insulin(s) >80 mU/L following a 75g oral glucose load and/or fasting insulin(s) >14 mU/L (in the absence of insulinoma) are consistent with insulin resistance. Post-load insulin(s) of 60 - 80 mU/L and/or fasting insulin(s) of 10 - 14 mU/L are suggestive of insulin resistance and follow-up may be indicated in the presence of risk factors such as obesity or a positive family history.

Supervising Pathologist: GC, NT

NATA ACCREDITATION NO 2178

IGF-1 (Liaison) 30 nmol/L 11 - 39

Comments

IGF-1 testing performed on Diasorin Liaison XL.
Reported by Sullivan and Nicolaides Pathology, a member of the Sonic Healthcare Group.

NATA ACCREDITATION NO 2178



Referrer Dr Claudia Nicholson
Address SAPHIRE MED CTR SHOP 2 & 3 95-99 BRONTE ROAD
BONDI JUNCTION NSW 2022
Phone 0281882568

Your ref. 00040607
Address 5/301 ALISON RD
COOGEE NSW 2034
Phone 0406125902

Copy to Ms Alexandra Middleton (0410503376)

Requested 23/09/2019
Collected 24/09/2019 08:56 AEDT
Received 24/09/2019 09:04 AEDT

Thyroid Autoantibodies

Thyroglobulin Ab	35.0 H	IU/mL	<4.1
Thyroid Peroxidase Ab	25.4 H	IU/mL	<5.6

Comments

High levels of thyroglobulin and thyroid peroxidase antibodies occur in Hashimoto's disease. Lower levels can occur in clinically normal persons and with other thyroid disorders.
From 06/09/17, Thyroid antibodies will be measured by the Abbott Architect (not Immulite) method and reported with new reference intervals.

Supervising Pathologist: GC, NT

NATA ACCREDITATION NO 2178

Haemoglobin A1c

Test Name	Result	Units	Reference Interval
HbA1c (IFCC)	30	mmol/mol	20 - 38
HbA1c	4.9	%	4.0 - 5.6

Comments

HbA1c less than 48 mmol/mol (6.5%) does not exclude a diagnosis of diabetes mellitus based upon elevated glucose results. The existing diagnostic criteria for fasting and random glucose levels and for oral glucose tolerance testing remain valid, and are the diagnostic tests of choice for gestational diabetes, type 1 diabetes and in the presence of conditions that interfere with HbA1c measurement. Conditions which may affect the measured HbA1c value include any of the haemolytic anaemias, anaemia of chronic disease, severe liver disease, vitamin B12 and/or folate deficiency, the haemoglobinopathies and regular phlebotomy performed for medical indications or for blood donation.
It also should be noted that further investigation is required for any inexplicably low HbA1c level or significant discrepancy between HbA1c and glucose results.

Supervising Pathologist: GC, NT

NATA ACCREDITATION NO 2178



Referrer **Dr Claudia Nicholson**
Address SAPHIRE MED CTR SHOP 2 & 3 95-99 BRONTE ROAD
BONDI JUNCTION NSW 2022
Phone 0281882568

Your ref. **00040607**
Address 5/301 ALISON RD
COOGEE NSW 2034
Phone 0406125902

Copy to Ms Alexandra Middleton (0410503376)

Requested 23/09/2019
Collected 24/09/2019 08:56 AEDT
Received 24/09/2019 09:04 AEDT

Reverse Triiodothyronine

Reverse T3 242 pmol/L 140 - 540

Comments

Reported by Sullivan and Nicolaides Pathology, a member of the Sonic Healthcare Group.

NATA ACCREDITATION NO 2178

Vitamin B12 and Folate

Test Name	Result	Units	Reference Interval
Vitamin B12	624	pmol/L	135 - 650
Serum Folate	43.5	nmol/L	> 7.0

Comments

From 8 March 2014, active B12 (holotranscobalamin) testing will be performed on all patients with low or equivocal (at or below 340 pmol/L) total B12 results. Both tests are eligible for a Medicare rebate under these circumstances.

Supervising Pathologist: GC, NT

NATA ACCREDITATION NO 2178



Referrer Dr Claudia Nicholson

Address SAPHIRE MED CTR SHOP 2 & 3 95-99 BRONTE ROAD
BONDI JUNCTION NSW 2022

Phone 0281882568

Your ref. 00040607

Address 5/301 ALISON RD
COOGEE NSW 2034

Phone 0406125902

Copy to Ms Alexandra Middleton (0410503376)

Requested 23/09/2019

Collected 24/09/2019 08:56 AEDT

Received 24/09/2019 09:04 AEDT

Haematology

Test Name	Result	Units	Reference Interval
Haemoglobin	133	g/L	119 - 160
Red cell count	4.2	$\times 10^{12}/L$	3.8 - 5.8
Haematocrit	0.38		0.35 - 0.48
MCV	91	fL	80 - 100
MCH	31.5	pg	27.0 - 32.0
MCHC	347	g/L	310 - 360
RDW	12.1		10.0 - 15.0
White cell count	4.6	$\times 10^9/L$	4.0 - 11.0
Neutrophils	2.37	$\times 10^9/L$	2.0 - 7.5
Lymphocytes	1.68	$\times 10^9/L$	1.0 - 4.0
Monocytes	0.37	$\times 10^9/L$	0.0 - 1.0
Eosinophils	0.11	$\times 10^9/L$	0.0 - 0.5
Basophils	0.04	$\times 10^9/L$	0.0 - 0.3
NRBC	<1.0	/100 WBC	<1
Platelets	236	$\times 10^9/L$	150 - 450
ESR	8	mm/h	1 - 22

Comments

Full blood count is within reference limits

Supervising Pathologist: FH

NATA ACCREDITATION NO 2178

Referrer **Dr Claudia Nicholson**

Address SAPHIRE MED CTR SHOP 2 & 3 95-99 BRONTE ROAD
BONDI JUNCTION NSW 2022

Phone 0281882568

Your ref. **00040607**

Address 5/301 ALISON RD
COOGEE NSW 2034

Phone 0406125902

Copy to Ms Alexandra Middleton (0410503376)

Requested 23/09/2019

Collected 24/09/2019 08:56 AEDT

Received 24/09/2019 09:04 AEDT

Coeliac Serology

Deamidated Gliadin IgA	2	U/mL	<15
Deamidated Gliadin IgG	<1	U/mL	<15
Tissue Transglutaminase IgA	<1	U/mL	<15
Tissue Transglutaminase IgG	<1	U/mL	<15

Comments

Performed on Bioplex 2200. This detects selective IgA deficiency (<0.07 g/L), an additional comment will be attached if detected.

In persons eating wheat (most days, last six weeks), negative serology effectively excludes coeliac disease/dermatitis herpetiformis. One elevated marker may occur without disease whereas two or more elevated (at four times the cutoff level) markers strongly predict coeliac disease which can be confirmed by biopsy.

Serology becomes negative on gluten free diet (6-9 months for IgA-deam gliadin and IgA-tTG, 9-15 months for IgG-deam gliadin and IgG-tTG). Without compliance, coeliac markers rise. Coeliac tissue-typing excludes coeliac disease risk by excluding HLA-DQ2 or DQ8 in persons with discordant serology or discordant serology-biopsy findings.

Supervising Pathologist: KB

NATA ACCREDITATION NO 2178

Immunoglobulins

Immunoglobulin G	9.52	g/L	6.20 - 14.40
Immunoglobulin A	2.00	g/L	0.60 - 3.96
Immunoglobulin M	0.92	g/L	0.48 - 3.04

Supervising Pathologist: KB

NATA ACCREDITATION NO 2178



Referrer Dr Claudia Nicholson

Address SAPHIRE MED CTR SHOP 2 & 3 95-99 BRONTE ROAD
BONDI JUNCTION NSW 2022

Phone 0281882568

Your ref. 00040607

Address 5/301 ALISON RD
COOGEE NSW 2034

Phone 0406125902

Copy to Ms Alexandra Middleton (0410503376)

Requested 23/09/2019

Collected 24/09/2019 08:56 AEDT

Received 24/09/2019 09:04 AEDT

Allergy Serology	kU/L	Class	
Cat epithelium	<0.01	0	Negative
Dog dander	<0.01	0	Negative
Grass pollen	0.01	0	Negative
Dustmite	0.19	0	Negative
Alternaria alternata	0.02	0	Negative

Comments

Values between 0.1 and 0.35 kU/L may be found in early, low level or resolving sensitisation. Not all sensitisations may result in clinical symptoms. The greater the sensitisation, the more likelihood of clinical significance. A higher specific IgE index (amount of allergen specific IgE/total IgE) may indicate greater clinical significance.

From November 2012, the laboratory will only accept Medicare reimbursement for requests of upto four single allergens or two mixes or two single allergens and one mix. Requests for more will be billed at \$25 and then \$5 per single allergen, \$10 per mixed allergen and \$40 per individual allergen component.

Supervising Pathologist: KB

NATA ACCREDITATION NO 2178