

Dr Christina Gray,
FRACGP, MD
Provider # 5746525K
Currently offering independent medical services at
1/24 Young Street, Wollongong, NSW 2500
Ph: 02 4211 1666 | Fax: 02 4211 1661
Reception@ysmedical.com.au
Healthlink ID:youngstm

Please find attached results:

DONNELLY, ANIKA
24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 **Sex:** F **Medicare Number:** 2384865223
Your Reference: F7654531F7 **Lab Reference:** 495740920-R-FM1
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY **Referred by:** DR CHRISTINA GRAY

Name of Test: FAECES 1
Requested: 10/03/2025 **Collected:** 17/03/2025 **Reported:** 19/03/2025 15:59

Faeces Examination

Specimen Faeces 1
Collection date 17/03/2025

Appearance Unformed

Microscopy
Concentrate No ova, cysts or parasites seen.

Culture No Salmonella, Shigella or Campylobacter isolated.

Supervising Pathologist:CK

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: FAECES PCR,FAECES 1
Tests Pending :
Sample Pending :

DONNELLY, ANIKA
24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 **Sex:** F **Medicare Number:** 2384865223
Your Reference: F7654531F7 **Lab Reference:** 495740920-D-FPC
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY **Referred by:** DR CHRISTINA GRAY

Name of Test: FAECES PCR
Requested: 10/03/2025 **Collected:** 17/03/2025 **Reported:** 18/03/2025 16:59

Faeces PCR

Specimen Type Faeces

Bacterial PCR

Campylobacter species	Not Detected
Salmonella species	Not Detected
Shigella/EIEC	Not Detected
Yersinia enterocolitica	Not Detected
Aeromonas species	Not Detected
Vibrio species	Not Detected
Clostridium difficile toxin B	Not Detected

Parasitic PCR	
Giardia lamblia	Not Detected
Cryptosporidium species	Not Detected
Dientamoeba fragilis	Not Detected
Entamoeba histolytica	Not Detected

Comments on Collection 495740920

Please note that Blastocystis spp. DNA detection is no longer reported. Increasing evidence now points to Blastocystis spp. as part of the normal flora of the human gut microbiome.

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: FAECES PCR
 Tests Pending : FAECES 1
 Sample Pending :

DONNELLY, ANIKA
 24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 **Sex:** F **Medicare Number:** 2384865223
Your Reference: **Lab Reference:** 495971412-C-SE-IRN
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY **Referred by:** DR CHRISTINA GRAY

Name of Test: SE-IRON STUDIES
Requested: 10/03/2025 **Collected:** 19/03/2025 **Reported:** 19/03/2025 16:59

IRON

	Latest Results			
Date	26-Sep-22	19-Mar-25		
Time F-Fast	0811 F	0750 F		
Lab Id.	488616934	495971412	Reference	Units
Iron	20.1	11.4	(8.8-27.0)	umol/L
Transferrin	2.8	2.5	(2.0-3.6)	g/L
Trans Sat	32	20	(10-45)	%
Ferritin	33	35	(30-160)	ug/L

Ferritin N.B Ferritin range change 28/04/17

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES,
 GLUCOSE,PHOSPHATE,IRON STUDIES,Lipids & HDL,
 CALCIUM(CORR),C REACTIVE PROTEIN,MAGNESIUM,
 TF FT4 FT3,TSH,VITAMIN B12,S.FOLATE,PROLACTIN,
 HOMOCYSTEINE,INSULIN,MICROSOMAL (TPO) ABs,FULL BLOOD COUNT
 Tests Pending : COPPER SERUM,ZINC PLASMA,VITAMIN B6,MACROPROLACTIN,
 HOLOTRANSCOBALAMIN,AIC CHECK,.HBA1C,TTG/GLIADIN
 Sample Pending :

DONNELLY, ANIKA
 24 LACHLAN ST, THIRROUL. 2515

Phone: 0404051780
Birthdate: 04/10/2007 Sex: F Medicare Number: 2384865223
Your Reference: Lab Reference: 495971412-C-SE-
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY Referred by: DR CHRISTINA GRAY

Name of Test: SE- THYROID FUNCTION
Requested: 10/03/2025 Collected: 19/03/2025 Reported: 19/03/2025 16:59

TFT

		Latest Results		
Date	26-Sep-22	19-Mar-25		
Time F-Fast	0811 F	0750 F		
Lab Id.	488616934	495971412	Reference	Units
TSH	1.4	2.7	(0.35-6.00)	mIU/L
Free T4		12.0	(8.0-22.0)	pmol/L
Free T3		4.1	(2.6-6.0)	pmol/L
Anti-TPO (Abbott)		<3.0	(<5.6)	IU/mL

THYROID ANTIBODIES On 19/7/21 Thyroid Ab method changed to Abbott.

Comments on Collection 19-Mar-25 0750 F:
TF3
Euthyroid levels.

As of 19.07.2021, TFT measurement changed from the Roche to the Abbott Alinity method.

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, PHOSPHATE, IRON STUDIES, Lipids & HDL,
CALCIUM (CORR), C REACTIVE PROTEIN, MAGNESIUM,
TF FT4 FT3, TSH, VITAMIN B12, S.FOLATE, PROLACTIN,
HOMOCYSTEINE, INSULIN, MICROSOMAL (TPO) ABS, FULL BLOOD COUNT
Tests Pending : COPPER SERUM, ZINC PLASMA, VITAMIN B6, MACROPROLACTIN,
HOLOTRANSCOBALAMIN, AIC CHECK, .HBA1C, TTG/GLIADIN
Sample Pending :

DONNELLY, ANIKA
24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 Sex: F Medicare Number: 2384865223
Your Reference: Lab Reference: 495971412-C-SE-PR
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY Referred by: DR CHRISTINA GRAY

Name of Test: SE-PROLACTIN
Requested: 10/03/2025 Collected: 19/03/2025 Reported: 19/03/2025 16:59

		Latest Results	
Date		19-Mar-25	
Time F-Fast		0750 F	
Lab Id.		495971412	Reference Units
Prolactin		483 H	(<480) mIU/L

Prolactin On 19/7/21 Prolactin method changed to Abbott.

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES,
GLUCOSE,PHOSPHATE,IRON STUDIES,Lipids & HDL,
CALCIUM(CORR),C REACTIVE PROTEIN,MAGNESIUM,
TF FT4 FT3,TSH,VITAMIN B12,S.FOLATE,PROLACTIN,
HOMOCYSTEINE,INSULIN,MICROSOMAL (TPO) ABs,FULL BLOOD COUNT
Tests Pending : COPPER SERUM,ZINC PLASMA,VITAMIN B6,MACROPROLACTIN,
HOLOTRANSCOBALAMIN,AIC CHECK,.HBA1C,TTG/GLIADIN
Sample Pending :

DONNELLY, ANIKA
24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 Sex: F Medicare Number: 2384865223
Your Reference: Lab Reference: 495971412-C-SE-HOC
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY Referred by: DR CHRISTINA GRAY

Name of Test: SE-HOMOCYSTEINE
Requested: 10/03/2025 Collected: 19/03/2025 Reported: 19/03/2025 16:59

Homocysteine

Homocysteine 5.8 (5.0 - 12.0) umol/L

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES,
GLUCOSE,PHOSPHATE,IRON STUDIES,Lipids & HDL,
CALCIUM(CORR),C REACTIVE PROTEIN,MAGNESIUM,
TF FT4 FT3,TSH,VITAMIN B12,S.FOLATE,PROLACTIN,
HOMOCYSTEINE,INSULIN,MICROSOMAL (TPO) ABs,FULL BLOOD COUNT
Tests Pending : COPPER SERUM,ZINC PLASMA,VITAMIN B6,MACROPROLACTIN,
HOLOTRANSCOBALAMIN,AIC CHECK,.HBA1C,TTG/GLIADIN
Sample Pending :

DONNELLY, ANIKA
24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 Sex: F Medicare Number: 2384865223
Your Reference: Lab Reference: 495971412-C-SE-INS
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY Referred by: DR CHRISTINA GRAY

Name of Test: SE-INSULIN
Requested: 10/03/2025 Collected: 19/03/2025 Reported: 19/03/2025 16:59

Date	Latest Results		
Time F-Fast	19-Mar-25		
Lab Id.	0750 F		
	495971412	Reference	Units
Insulin (Abbott)	3.7	(0-20)	mU/L

Insulin On 19/7/21 Insulin method changed to Abbott.

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES,

GLUCOSE, PHOSPHATE, IRON STUDIES, Lipids & HDL,
 CALCIUM (CORR), C REACTIVE PROTEIN, MAGNESIUM,
 TF FT4 FT3, TSH, VITAMIN B12, S. FOLATE, PROLACTIN,
 HOMOCYSTEINE, INSULIN, MICROSOMAL (TPO) ABs, FULL BLOOD COUNT
 Tests Pending : COPPER SERUM, ZINC PLASMA, VITAMIN B6, MACROPROLACTIN,
 HOLOTRANSCOBALAMIN, AIC CHECK, .HBA1C, TTG/GLIADIN
 Sample Pending :

DONNELLY, ANIKA
 24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 **Sex:** F **Medicare Number:** 2384865223
Your Reference: **Lab Reference:** 495971412-C-SE- Haematinics
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY **Referred by:** DR CHRISTINA GRAY

Name of Test: SE- Haematinics
Requested: 10/03/2025 **Collected:** 19/03/2025 **Reported:** 19/03/2025 17:29

Iron/B12/Folate

Date	Latest Results			
	26-Sep-22	19-Mar-25		
Time F-Fast	0811 F	0750 F		
Lab Id.	488616934	495971412	Reference	Units
Vitamin B12	538	375	(>177)	pmol/L
Folate	39.0	30.9	(>6.0)	nmol/L
Active B12		106	(>35)	pmol/L

Vitamin B12 High dose Biotin (5mg/day) may interfere with these tests.

Comments on Collection 19-Mar-25 0750 F:

Vitamin B12

In line with Medical Benefits Schedule changes, people with low or equivocal vitamin B12 results (<376 pmol/L) will be routinely tested for holotranscobalamin (active B12) to clarify their B12 status. Both tests are now Medicare rebateable. Those with vitamin B12 concentrations >375 pmol/L are generally replete.

FOLATE SERUM

Serum folate is now used as the screen for folate deficiency.

ACTIVE B12

Both active Vitamin B12 (Holo-transcobalamin) and total Vitamin B12 indicate that the patient has normal Vitamin B12 status.

Supervising Pathologist: SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
 GLUCOSE, PHOSPHATE, IRON STUDIES, Lipids & HDL,
 CALCIUM (CORR), C REACTIVE PROTEIN, MAGNESIUM,
 TF FT4 FT3, TSH, VITAMIN B12, S. FOLATE, PROLACTIN,
 HOMOCYSTEINE, INSULIN, HOLOTRANSCOBALAMIN,
 MICROSOMAL (TPO) ABs, FULL BLOOD COUNT

Tests Pending : COPPER SERUM, ZINC PLASMA, VITAMIN B6, MACROPROLACTIN,
 AIC CHECK, .HBA1C, TTG/GLIADIN

Sample Pending :

DONNELLY, ANIKA
 24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 **Sex:** F **Medicare Number:** 2384865223
Your Reference: **Lab Reference:** 495971412-C-SE-
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY **Referred by:** DR CHRISTINA GRAY

Name of Test: SE-ROUTINE BIO
Requested: 10/03/2025 **Collected:** 19/03/2025 **Reported:** 19/03/2025 15:59

Routine biochemistry

Date	Latest Results			
	26-Sep-22	19-Mar-25		
Time F-Fast	0811 F	0750 F		
Lab Id.	488616934	495971412	Reference	Units
Fast. Glucose	4.9	4.5	(3.6-6.0)	mmol/L
Sodium	141	139	(135-145)	mmol/L
Potassium	3.9	3.9	(3.5-5.5)	mmol/L
Chloride	105	104	(95-110)	mmol/L
Bicarbonate	28	26	(20-32)	mmol/L
Urea	5.2	6.6 H	(2.5-6.0)	mmol/L
Creat.	61	67	(45-85)	umol/L
Calcium		2.24 L	(2.25-2.65)	mmol/L
Ca (corr)		2.18 L	(2.25-2.60)	mmol/L
Phosphate		1.35	(0.8-1.5)	mmol/L
Mg		0.77	(0.70-1.05)	mmol/L
Total Protein	65	68	(65-81)	g/L
Albumin	41	43	(33-46)	g/L
Globulin	24 L	25	(25-41)	g/L
ALP	167	76	(50-135)	U/L
GGT	10	10	(5-35)	U/L
ALT	13	13	(5-30)	U/L
AST	19	23	(10-35)	U/L
LDH	165	164	(120-250)	U/L
T Bilirubin	10	9	(3-15)	umol/L

Comments on Collection 19-Mar-25 0750 F:

Renal Function

The creatinine is normal. The slightly raised urea is most likely due to overnight fasting.

The eGFR result is not reported, as it is unreliable in this age group.

Calcium

Common causes of hypocalcaemia include chronic renal failure, hypoparathyroidism (including post thyroidectomy hypoparathyroidism), vitamin D deficiency, magnesium deficiency and certain drug therapies (e.g. loop diuretics, mithramycin and bisphosphonates).

Renal function is currently noted to be normal.

A PTH level is recommended in follow up.

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES, GLUCOSE,PHOSPHATE,Lipids & HDL, CALCIUM(CORR), C REACTIVE PROTEIN,MAGNESIUM,FULL BLOOD COUNT

Tests Pending : COPPER SERUM,IRON STUDIES,ZINC PLASMA,TF FT4 FT3,TSH, VITAMIN B12,S.FOLATE,VITAMIN B6,PROLACTIN, HOMOCYSTEINE,INSULIN,AIC CHECK,.HBA1c, MICROSOMAL (TPO) ABs,TTG/GLIADIN

Sample Pending :

DONNELLY, ANIKA
 24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 **Sex:** F **Medicare Number:** 2384865223
Your Reference: **Lab Reference:** 495971412-C-SE-LP
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY **Referred by:** DR CHRISTINA GRAY

Name of Test: SE-Lipids & HDL
Requested: 10/03/2025 **Collected:** 19/03/2025 **Reported:** 19/03/2025 15:59

Date	Latest Results		
Time F-Fast	19-Mar-25		
Lab Id.	0750 F		
	495971412	Reference	Units
Status	Fasting		
Cholesterol	4.63	(<5.5)	mmol/L
Triglyceride	0.64	(<2.0)	mmol/L
HDL	1.43	(>1.2)	mmol/L
Chol/HDL Ratio	3.2	(<4.5)	mmol/L
LDL	2.9	(<3.0)	mmol/L
Non HDLC	3.20	(<4.0)	mmol/L

Comments on Collection 19-Mar-25 0750 F:
Lipids & HDL

Population-based decision limits

Total Cholesterol <5.5 mmol/L

Triglycerides <2.0 mmol/L

HDL Cholesterol >1.2 mmol/L

LDL Cholesterol <3.0 mmol/L

Non-HDL Cholesterol <4.0 mmol/L

The decision limits quoted above are not population reference intervals or clinical action limits. Values greater than the decision limits may be taken as an indication to review the absolute cardiovascular risk of the patient. For assessment of absolute cardiovascular disease risk, please see www.cvdcheck.org.au

Target levels for high risk individuals

In high risk individuals (e.g. known coronary heart and other arterial disease, diabetes, chronic renal failure, Aboriginal and Torres Strait Islander peoples and familial hyperlipidaemic conditions) NVDPA treatment target levels are:

Total Cholesterol <4.0 mmol/L

Triglycerides <2.0 mmol/L

HDL Cholesterol >1.0 mmol/L

LDL Cholesterol <1.8 mmol/L

Non-HDL Cholesterol <2.5 mmol/L

In diabetics, the National Heart Foundation recommends 6-monthly progress lipid levels. Diabetic patients meet the PBS qualifying criteria for lipid-lowering therapy.

NVDPA = National Vascular Disease Prevention Alliance

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES, GLUCOSE, PHOSPHATE, Lipids & HDL, CALCIUM(CORR), C REACTIVE PROTEIN, MAGNESIUM, FULL BLOOD COUNT

Tests Pending : COPPER SERUM, IRON STUDIES, ZINC PLASMA, TF FT4 FT3, TSH, VITAMIN B12, S.FOLATE, VITAMIN B6, PROLACTIN, HOMOCYSTEINE, INSULIN, AIC CHECK, .HBA1C, MICROSOMAL (TPO) ABs, TTG/GLIADIN

Sample Pending :

DONNELLY, ANIKA

24 LACHLAN ST, THIRROUL. 2515

Phone: 0404051780

Birthdate: 04/10/2007 Sex: F Medicare Number: 2384865223

Your Reference: Lab Reference: 495971412-C-SE-CRP

Laboratory: Southern IML Pathology

Addressee: DR CHRISTINA GRAY Referred by: DR CHRISTINA GRAY

Name of Test: SE-C REACTIVE PROTEIN

Requested: 10/03/2025 Collected: 19/03/2025 Reported: 19/03/2025 15:59

Date	Latest Results		
Time F-Fast	19-Mar-25		
Lab Id.	0750 F		
	495971412	Reference	Units
CRP	<1	(0-5)	mg/L

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES,
GLUCOSE,PHOSPHATE,Lipids & HDL, CALCIUM(CORR),
C REACTIVE PROTEIN,MAGNESIUM,FULL BLOOD COUNT

Tests Pending : COPPER SERUM,IRON STUDIES,ZINC PLASMA,TF FT4 FT3,TSH,
VITAMIN B12,S.FOLATE,VITAMIN B6,PROLACTIN,
HOMOCYSTEINE,INSULIN,AIC CHECK,.HBA1C,
MICROSOMAL (TPO) ABs,TTG/GLIADIN

Sample Pending :

DONNELLY, ANIKA
24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 **Sex:** F **Medicare Number:** 2384865223
Your Reference: **Lab Reference:** 495971412-H-ED- HAEMO
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY **Referred by:** DR CHRISTINA GRAY

Name of Test: ED- Haematology
Requested: 10/03/2025 **Collected:** 19/03/2025 **Reported:** 19/03/2025 15:29

Haematology

		Latest Results		
Date	26-Sep-22	19-Mar-25		
Time F-Fast	0811 F	0750 F		
Lab Id.	488616934	495971412	Reference	Units
Haemoglobin	135	139	(119-160)	g/L
RCC	4.5	4.5	(3.8-5.8)	10*12/L
Haematocrit	0.41	0.42	(0.35-0.48)	
MCV	92	93	(78-96)	fL
MCH	30	31	(26-32)	pg
MCHC	327	330	(310-360)	g/L
RDW	12	12	(10-15)	
WCC	4.8	4.0	(4.0-11.0)	10*9/L
Neutrophils	2.6	1.6 L	(1.8-8.0)	10*9/L
Lymphocytes	1.8	2.0	(1.0-4.0)	10*9/L
Monocytes	0.3	0.3	(0-1.0)	10*9/L
Eosinophils	0.1	<0.1	(0-0.5)	10*9/L
Basophils	<0.1	<0.1	(0-0.3)	10*9/L
Platelets	202	193	(150-450)	10*9/L

Supervising Pathologist:SA/RR

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: FULL BLOOD COUNT

Tests Pending : COPPER SERUM,LIVER FUNCTION TESTS,RENAL FUNCTION,
ELECTROLYTES,GLUCOSE,PHOSPHATE,IRON STUDIES,
Lipids & HDL, CALCIUM(CORR),C REACTIVE PROTEIN,
MAGNESIUM,ZINC PLASMA,TF FT4 FT3,TSH,VITAMIN B12,
S.FOLATE,VITAMIN B6,PROLACTIN,HOMOCYSTEINE,INSULIN,
AIC CHECK,.HBA1C,MICROSOMAL (TPO) ABs,TTG/GLIADIN

Sample Pending :

DONNELLY, ANIKA
24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780

Birthdate: 04/10/2007 **Sex:** F **Medicare Number:** 2384865223
Your Reference: 495971412 **Lab Reference:** 495971412-C-SE-MPRP
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY **Referred by:** DR CHRISTINA GRAY

Name of Test: SE-MACROPROLACTIN
Requested: 10/03/2025 **Collected:** 19/03/2025 **Reported:** 20/03/2025 14:29

Date	Latest Results		
Time F-Fast	19-Mar-25		
Lab Id.	0750 F		
	495971412	Reference	Units
Prolactin	483 H	(<480)	mIU/L
Pr/PEG	337		mIU/L
%Recovery PPR	70		%

Comments on Collection 19-Mar-25 0750 F:
Macroprolactin
A post-PEG recovery of greater than 60% excludes the presence of a significant oligomeric/macro- Prolactin component.
Causes of elevated prolactin include medication, eg risperidone, or pituitary pathology for which further investigation(s) may be indicated.

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES,
GLUCOSE,PHOSPHATE,IRON STUDIES,Lipids & HDL,
CALCIUM(CORR),C REACTIVE PROTEIN,MAGNESIUM,
TF FT4 FT3,TSH,VITAMIN B12,S.FOLATE,PROLACTIN,
MACROPROLACTIN,HOMOCYSTEINE,INSULIN,
HOLOTRANSCOBALAMIN,MICROSOMAL (TPO) ABs,
FULL BLOOD COUNT,TTG/GLIADIN
Tests Pending : COPPER SERUM,ZINC PLASMA,VITAMIN B6,AIC CHECK,.HBA1C
Sample Pending :

DONNELLY, ANIKA
24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 **Sex:** F **Medicare Number:** 2384865223
Your Reference: 495971412 **Lab Reference:** 495971412-C-SE- PTH
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY **Referred by:** DR CHRISTINA GRAY

Name of Test: SE-PARATHYROID HORMONE
Requested: 10/03/2025 **Collected:** 19/03/2025 **Reported:** 20/03/2025 18:59

Date	Latest Results		
Time F-Fast	19-Mar-25		
Lab Id.	0750 F		
	495971412	Reference	Units
PTH	3.8	(1.6-6.8)	pmol/L

PTH Method changed from Abbott to Roche 1/8/22

Comments on Collection 19-Mar-25 0750 F:
PTH
Low corrected calcium value noted. The commonest cause of an inappropriately normal PTH in this situation is previous parathyroidectomy.

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, PHOSPHATE, IRON STUDIES, Lipids & HDL,
CALCIUM(CORR), C REACTIVE PROTEIN, MAGNESIUM,
TF FT4 FT3, TSH, VITAMIN B12, S.FOLATE, PROLACTIN,
MACROPROLACTIN, HOMOCYSTEINE, INSULIN,
HOLOTRANSCOBALAMIN, PARATHYROID HORMONE,
MICROSOMAL (TPO) ABs, FULL BLOOD COUNT, TTG/GLIADIN
Tests Pending : COPPER SERUM, ZINC PLASMA, VITAMIN B6, AIC CHECK, .HBA1C, VITAMIN D3
Sample Pending :

DONNELLY, ANIKA
24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 Sex: F Medicare Number: 2384865223
Your Reference: 495971412 Lab Reference: 495971412-R-SE-COEL
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY Referred by: DR CHRISTINA GRAY

Name of Test: SE-TTG/GLIADIN
Requested: 10/03/2025 Collected: 19/03/2025 Reported: 20/03/2025 03:29

Coeliac Serology

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

Comments on Lab Id: 495971412

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:CK

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, PHOSPHATE, IRON STUDIES, Lipids & HDL,
CALCIUM(CORR), C REACTIVE PROTEIN, MAGNESIUM,
TF FT4 FT3, TSH, VITAMIN B12, S.FOLATE, PROLACTIN,
HOMOCYSTEINE, INSULIN, HOLOTRANSCOBALAMIN,
MICROSOMAL (TPO) ABs, FULL BLOOD COUNT, TTG/GLIADIN
Tests Pending : COPPER SERUM, ZINC PLASMA, VITAMIN B6, MACROPROLACTIN,
AIC CHECK, .HBA1C
Sample Pending :

DONNELLY, ANIKA
24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 Sex: F Medicare Number: 2384865223
Your Reference: 495971412 Lab Reference: 495971412-C-ED-.HBA1C
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY Referred by: DR CHRISTINA GRAY

Name of Test: ED-.HBA1C
Requested: 10/03/2025 **Collected:** 19/03/2025 **Reported:** 21/03/2025 03:29

Date	Latest Results		
Time F-Fast	19-Mar-25		
Lab Id.	0750 F		
	495971412	Reference	Units
HbA1c screen	5.2	(4.0-6.0)	%
HbA1c (IFCC)	34	(20-42)	mmol/mol

Comments on Collection 19-Mar-25 0750 F:
.HBA1C

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.

Measurement change from HPLC - Bio-Rad D100 to Capillary Electrophoresis - Sebia Capillarys 3 Tera on 6.4.22

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES, GLUCOSE, PHOSPHATE, IRON STUDIES, Lipids & HDL, CALCIUM(CORR), C REACTIVE PROTEIN, MAGNESIUM, TF FT4 FT3, TSH, VITAMIN B12, S.FOLATE, PROLACTIN, MACROPROLACTIN, HOMOCYSTEINE, INSULIN, HOLOTRANSCOBALAMIN, PARATHYROID HORMONE, .HBA1C, MICROSOMAL (TPO) Abs, FULL BLOOD COUNT, TTG/GLIADIN, VITAMIN D3

Tests Pending : COPPER SERUM, ZINC PLASMA, VITAMIN B6
Sample Pending :

DONNELLY, ANIKA
24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 **Sex:** F **Medicare Number:** 2384865223
Your Reference: 495971412 **Lab Reference:** 495971412-C-SE-VTD
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY **Referred by:** DR CHRISTINA GRAY

Name of Test: SE-VITAMIN D3
Requested: 10/03/2025 **Collected:** 19/03/2025 **Reported:** 21/03/2025 03:29

Date	Latest Results		
Time F-Fast	19-Mar-25		
Lab Id.	0750 F		
	495971412	Reference	Units
Vit D	106	(50-375)	nmol/L

Comments on Collection 19-Mar-25 0750 F:
VITAMIN D3

Recommended levels apply to testing undertaken at the end of winter.

Over 40% of all people living on the South Coast of NSW presenting for the first time for Vitamin D testing (at the end of winter) show deficiency and on average in any season of the year over 30% are Vitamin D deficient.

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES,
GLUCOSE,PHOSPHATE,IRON STUDIES,Lipids & HDL,
CALCIUM(CORR),C REACTIVE PROTEIN,MAGNESIUM,
TF FT4 FT3,TSH,VITAMIN B12,S.FOLATE,PROLACTIN,
MACROPROLACTIN,HOMOCYSTEINE,INSULIN,
HOLOTRANSCOBALAMIN,PARATHYROID HORMONE,.HBA1C,
MICROSOMAL (TPO) ABs,FULL BLOOD COUNT,TTG/GLIADIN,VITAMIN D3
Tests Pending : COPPER SERUM,ZINC PLASMA,VITAMIN B6
Sample Pending :

DONNELLY, ANIKA
24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 Sex: F Medicare Number: 2384865223
Your Reference: 495971412 Lab Reference: 495971412-R-_Copper
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY Referred by: DR CHRISTINA GRAY

Name of Test: _COPPER VIRTUAL
Requested: 10/03/2025 Collected: 19/03/2025 Reported: 21/03/2025 13:29

Copper

Copper-serum 12.1 L (13.0 - 25.0) umol/L

Comments on Lab Id: 495971412

Decreased serum copper may reflect either low caeruloplasmin levels or copper deficiency. Low serum copper occurs in malabsorption, chronic diarrhoea, hypoproteinaemia, inadequate total parenteral nutrition, biliary fistulae and in Wilson's disease.

Supervising Pathologist:CK

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: COPPER SERUM,LIVER FUNCTION TESTS,RENAL FUNCTION,
ELECTROLYTES,GLUCOSE,PHOSPHATE,IRON STUDIES,
Lipids & HDL, CALCIUM(CORR),C REACTIVE PROTEIN,
MAGNESIUM,ZINC PLASMA,TF FT4 FT3,TSH,VITAMIN B12,
S.FOLATE,PROLACTIN,MACROPROLACTIN,HOMOCYSTEINE,
INSULIN,HOLOTRANSCOBALAMIN,PARATHYROID HORMONE,
.HBA1C,MICROSOMAL (TPO) ABs,FULL BLOOD COUNT,
TTG/GLIADIN,VITAMIN D3
Tests Pending : VITAMIN B6
Sample Pending :

DONNELLY, ANIKA
24 LACHLAN ST, THIRROUL. 2515
Phone: 0404051780
Birthdate: 04/10/2007 Sex: F Medicare Number: 2384865223
Your Reference: 495971412 Lab Reference: 495971412-R-E193
Laboratory: Southern IML Pathology
Addressee: DR CHRISTINA GRAY Referred by: DR CHRISTINA GRAY

Name of Test: _VITAMIN B1,2,6
Requested: 10/03/2025 Collected: 19/03/2025 Reported: 26/03/2025 18:29

Vitamin B

Vitamin B6 (P5P) 179 (20 - 190) nmol/L

Comments on Lab Id: 495971412

The B vitamins, vitamin B1(thiamine diphosphate or TDP), B2 (flavin adenine dinucleotide or FAD), and B6 (pyridoxal-5-phosphate or P5P), are measured and reported in their physiologically active forms in whole blood. Their absolute whole blood levels are more specific, and they rise and fall more rapidly than the indirect functional levels measured by enzymatic activity. Hence, blood samples should be collected fasting and prior to any supplementation. As the distribution of the vitamins is shared between the blood cells and the plasma, vitamin B levels may appear artefactually low in anaemic patients with low haematocrit.

To convert this Vitamin B6 result to mass units: nmol/L x 0.247 = mg/L

Supervising Pathologist:CK

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: COPPER SERUM,LIVER FUNCTION TESTS,RENAL FUNCTION,
ELECTROLYTES,GLUCOSE,PHOSPHATE,IRON STUDIES,
Lipids & HDL, CALCIUM(CORR),C REACTIVE PROTEIN,
MAGNESIUM,ZINC PLASMA,TF FT4 FT3,TSH,VITAMIN B12,
S.FOLATE,VITAMIN B6,PROLACTIN,MACROPROLACTIN,
HOMOCYSTEINE,INSULIN,HOLOTRANSCOBALAMIN,
PARATHYROID HORMONE,.HBA1C,MICROSOMAL (TPO) ABs,
FULL BLOOD COUNT,TTG/GLIADIN,VITAMIN D3

Tests Pending :

Sample Pending :

DONNELLY, ANIKA

24 LACHLAN ST, THIRROUL. 2515

Phone: 0404051780

Birthdate: 04/10/2007 Sex: F Medicare Number: 2384865223

Your Reference: 495971412 Lab Reference: 495971412-R-_Zinc

Laboratory: Southern IML Pathology

Addressee: DR CHRISTINA GRAY Referred by: DR CHRISTINA GRAY

Name of Test: _ZINC VIRTUAL.

Requested: 10/03/2025 Collected: 19/03/2025 Reported: 21/03/2025 08:59

Zinc

Zinc-plasma 12.9 (9.0 - 19.0) umol/L

Comments on Lab Id: 495971412

Supervising Pathologist:CK

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES,
GLUCOSE,PHOSPHATE,IRON STUDIES,Lipids & HDL,
CALCIUM(CORR),C REACTIVE PROTEIN,MAGNESIUM,
ZINC PLASMA,TF FT4 FT3,TSH,VITAMIN B12,S.FOLATE,
PROLACTIN,MACROPROLACTIN,HOMOCYSTEINE,INSULIN,
HOLOTRANSCOBALAMIN,PARATHYROID HORMONE,.HBA1C,
MICROSOMAL (TPO) ABs,FULL BLOOD COUNT,TTG/GLIADIN,VITAMIN D3

Tests Pending : COPPER SERUM,VITAMIN B6

Sample Pending :

Kind Regards,

Christina Gray