

Patient Health Summary

Name: Mrs Anna Coombes
Address: 6 Country Place
Brookfield 4069
D.O.B.: 28/05/1982
Record No.:
Home Phone:
Work Phone:
Mobile Phone: 0423100432

Dr Ravi Gornall
3 Cramond St
Wilston 4051
0737096762

Printed on 15th November 2025

Investigations:

COOMBES, ANNA LOUISE
6 COUNTRY PL, BROOKFIELD. 4069
Phone: 04 23100432
Birthdate: 28/05/1982 Sex: F Medicare Number: 42349698984
Your Reference: Lab Reference: 25-97595104-HOM-0
Laboratory: QML Pathology
Addressee: DR RAVINDER K GORNALL Referred by: DR RAVINDER K GORNALL

Name of Test: HOMOCYSTEINE, PLASMA
Requested: 28/09/2025 Collected: 22/10/2025 Reported: 22/10/2025 16:20

CUMULATIVE PLASMA HOMOCYSTEINE

Date	18/06/25	22/10/25
Time	06:30	06:45
Lab No	78552132	97595104
Homocysteine	11.4	14.1 umol/L (0.0-15.0)

97595104
** Progress report.

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: SERUM FOLATE, SE HOMOCYSTEINE
Tests Pending : TSH, FREE T4, FREE T3, TOTAL TESTOSTERONE, SHBG, E2, LH, FSH, INSULIN
Tests Pending : FBC, SE E/LFT, SE HDL, SE C-REACTIVE PROTEIN, RT3, DHEAS

COOMBES, ANNA LOUISE
6 COUNTRY PL, BROOKFIELD. 4069
Phone: 04 23100432
Birthdate: 28/05/1982 Sex: F Medicare Number: 42349698984
Your Reference: Lab Reference: 25-97595104-BFM-0
Laboratory: QML Pathology
Addressee: DR RAVINDER K GORNALL Referred by: DR RAVINDER K GORNALL

Name of Test: MASTER VITAMIN B12 FOLATE
Requested: 28/09/2025 Collected: 22/10/2025 Reported: 22/10/2025 16:20

Serum Folate Assay	14.8 nmol/L	(8.4-55.0)
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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.

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.

Medicare Update - Vitamin B12 Testing (Effective 1 July 2025)

Vitamin B12 can be assessed with either Total B12 or Active B12.

Recent evidence review suggest equivalent diagnostic performance.

Active B12 may be preferred in pregnancy or haematological malignancy.

Homocysteine is also recommended only when B12 therapy fails to improve symptoms, as it assesses functional B12 deficiency.

Tests Completed: SERUM FOLATE, SE HOMOCYSTEINE

Tests Pending : TSH, FREE T4, FREE T3, TOTAL TESTOSTERONE, SHBG, E2, LH, FSH, INSULIN

Tests Pending : FBC, SE E/LFT, SE HDL, SE C-REACTIVE PROTEIN, RT3, DHEAS

COOMBES, ANNA LOUISE

6 COUNTRY PL, BROOKFIELD. 4069

Phone: 04 23100432

Birthdate: 28/05/1982 Sex: F Medicare Number: 42349698984

Your Reference: Lab Reference: 25-97595104-DHE-0

Laboratory: QML Pathology

Addressee: DR RAVINDER K GORNALL Referred by: DR RAVINDER K GORNALL

Name of Test: DHE-S

Requested: 28/09/2025 Collected: 22/10/2025 Reported: 22/10/2025 16:22

DHEA - Sulphate 2.5 umol/L (0.5-9.0)
(DeHydroEpiAndrosterone)

(previous units) 930 ng/mL (200-3300)

Tests Completed: SERUM FOLATE, SE HOMOCYSTEINE, DHEAS

Tests Pending : TSH, FREE T4, FREE T3, TOTAL TESTOSTERONE, SHBG, E2, LH, FSH, INSULIN

Tests Pending : FBC, SE E/LFT, SE HDL, SE C-REACTIVE PROTEIN, RT3

COOMBES, ANNA LOUISE

6 COUNTRY PL, BROOKFIELD. 4069

Phone: 04 23100432

Birthdate: 28/05/1982 Sex: F Medicare Number: 42349698984

Your Reference: Lab Reference: 25-97595104-25T-0

Laboratory: QML Pathology

Addressee: DR RAVINDER K GORNALL Referred by: DR RAVINDER K GORNALL

Name of Test: E/LFT (MASTER)

Requested: 28/09/2025 Collected: 22/10/2025 Reported: 22/10/2025 16:44

SERUM CHEMISTRY - RANDOM

- Sodium	135	mmol/L	(137-147)
Potassium	4.2	mmol/L	(3.5-5.0)
Chloride	103	mmol/L	(96-109)
Bicarbonate	25	mmol/L	(25-33)
Other Anions	11	mmol/L	(4-17)
Glucose	4.5	mmol/L	random (3.0-7.7)
Urea	5.3	mmol/L	(2.0-7.0)
Creatinine	71	umol/L	(40-110)
eGFR	90	mL/min	(over 59)
Uric Acid	0.25	mmol/L	(0.14-0.35)
Total Bilirubin	8	umol/L	(2-20)
Alk. Phos.	38	U/L	(30-115)
Gamma G.T.	12	U/L	(0-45)
ALT	16	U/L	(0-45)
AST	22	U/L	(0-41)
LD	185	U/L	(80-250)
Calcium	2.30	mmol/L	(2.15-2.60)
Adjusted for Albumin	2.34	mmol/L	(2.15-2.60)
Phosphate	1.2	mmol/L	(0.8-1.5)
Total Protein	68	g/L	(60-82)
Albumin	41	g/L	(35-50)
Globulins	27	g/L	(20-40)
Cholesterol	6.1	mmol/L	(3.6-6.9)
Triglycerides	0.8	mmol/L	random (0.3-4.0)

Tests Completed:SERUM FOLATE, SE E/LFT, SE HOMOCYSTEINE, SE HDL, SE C-REACTIVE PROTEIN

Tests Completed:DHEAS

Tests Pending :TSH, FREE T4, FREE T3, TOTAL TESTOSTERONE, SHBG, E2, LH, FSH, INSULIN

Tests Pending :FBC, RT3

COOMBES, ANNA LOUISE

6 COUNTRY PL, BROOKFIELD. 4069

Phone: 04 23100432

Birthdate: 28/05/1982 Sex: F Medicare Number: 42349698984

Your Reference: Lab Reference: 25-97595104-CRP-0

Laboratory: QML Pathology

Addressee: DR RAVINDER K GORNALL Referred by: DR RAVINDER K GORNALL

Name of Test: C REACTIVE PROTEIN

Requested: 28/09/2025 Collected: 22/10/2025 Reported: 22/10/2025 16:44

CUMULATIVE SERUM C-REACTIVE PROTEIN (CRP)

Date	18/06/25	22/10/25
Time	06:30	06:45
Lab No	78552132	97595104

CRP < 5 < 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:SERUM FOLATE, SE E/LFT, SE HOMOCYSTEINE, SE HDL, SE C-REACTIVE PROTEIN

Tests Completed:DHEAS

Tests Pending :TSH, FREE T4, FREE T3, TOTAL TESTOSTERONE, SHBG, E2, LH, FSH, INSULIN

Tests Pending :FBC, RT3

COOMBES, ANNA LOUISE
 6 COUNTRY PL, BROOKFIELD. 4069
Phone: 04 23100432
Birthdate: 28/05/1982 **Sex:** F **Medicare Number:** 42349698984
Your Reference: **Lab Reference:** 25-97595104-HDL-0
Laboratory: QML Pathology
Addressee: DR RAVINDER K GORNALL **Referred by:** DR RAVINDER K GORNALL

Name of Test: HDL CHOLESTEROL, SERUM
Requested: 28/09/2025 **Collected:** 22/10/2025 **Reported:** 22/10/2025 16:44

CUMULATIVE LIPID RISK REPORT

Date	18/05/24	12/03/25	18/06/25	22/10/25	
Time	09:00	06:35	06:30	06:45	
Lab No	75578396	96505691	78552132	97595104	
	FASTING	FASTING	FASTING	RANDOM	
					Target if HIGH RISK
Total Cholesterol	4.8	6.1	5.2	6.1	mmol/L (below 4.0)
Triglycerides	0.7	0.9	0.9	0.8	mmol/L (below 2.0)

CHOLESTEROL FRACTIONS

	1.78	1.76	1.69	1.92	mmol/L (above 1.0)
HDL	1.78	1.76	1.69	1.92	mmol/L (above 1.0)
LDL (calculated)*	2.70	3.93	3.10	3.82	mmol/L (below 2.5)
Non-HDL cholesterol	3.02	4.34	3.51	4.18	mmol/L (below 3.3)
Total/HDL ratio**	2.7	3.5	3.1	3.2	

* 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"

97595104 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: SERUM FOLATE, SE E/LFT, SE HOMOCYSTEINE, SE HDL, SE C-REACTIVE PROTEIN
 Tests Completed: DHEAS
 Tests Pending : TSH, FREE T4, FREE T3, TOTAL TESTOSTERONE, SHBG, E2, LH, FSH, INSULIN
 Tests Pending : FBC, RT3

COOMBES, ANNA LOUISE
 6 COUNTRY PL, BROOKFIELD. 4069
Phone: 04 23100432
Birthdate: 28/05/1982 **Sex:** F **Medicare Number:** 42349698984
Your Reference: **Lab Reference:** 25-97595104-CBC-0
Laboratory: QML Pathology
Addressee: DR RAVINDER K GORNALL **Referred by:** DR RAVINDER K GORNALL

Name of Test: MASTER FULL BLOOD COUNT
Requested: 28/09/2025 **Collected:** 22/10/2025 **Reported:** 22/10/2025 17:37

FULL BLOOD EXAMINATION

Haemoglobin	130	g/L	(115-160)
Red Cell Count	4.2	x10 ¹² /L	(3.6-5.2)
Haematocrit	0.40		(0.33-0.46)
Mean Cell Volume	95	fL	(80-98)
Mean Cell Haemoglobin	31	pg	(27-35)
Platelet Count	242	x10 ⁹ /L	(150-450)
White Cell Count	5.8	x10 ⁹ /L	(4.0-11.0)
Neutrophils	63 %	3.7 x10 ⁹ /L	(2.0-7.5)
Lymphocytes	28 %	1.6 x10 ⁹ /L	(1.1-4.0)
Monocytes	6 %	0.3 x10 ⁹ /L	(0.2-1.0)
Eosinophils	2 %	0.12 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, SERUM FOLATE, SE E/LFT, SE HOMOCYSTEINE, SE HDL
Tests Completed:SE C-REACTIVE PROTEIN, DHEAS
Tests Pending :TSH, FREE T4, FREE T3, TOTAL TESTOSTERONE, SHBG, E2, LH, FSH, INSULIN
Tests Pending :RT3

COOMBES, ANNA LOUISE
6 COUNTRY PL, BROOKFIELD. 4069
Phone: 04 23100432
Birthdate: 28/05/1982 **Sex:** F **Medicare Number:** 42349698984
Your Reference: **Lab Reference:** 25-97595104-THY-0
Laboratory: QML Pathology
Addressee: DR RAVINDER K GORNALL **Referred by:** DR RAVINDER K GORNALL

Name of Test: THYROID TEST MASTER
Requested: 28/09/2025 **Collected:** 22/10/2025 **Reported:** 22/10/2025 19:10

CUMULATIVE SERUM THYROID FUNCTION TESTS

Date	17/08/24	12/03/25	18/06/25	22/10/25
Time	09:02	06:35	06:30	06:45
Lab No	76366019	96505691	78552132	97595104
TSH	2.0	2.4	0.90	3.5 mIU/L (0.50-4.00)
free T4	10	12	12	12 pmol/L (10-20)
free T3	5.2	6.2	5.8	5.2 pmol/L (2.8-6.8)

Euthyroid level.

Tests Completed:TSH, FREE T4, FREE T3, FBC, SERUM FOLATE, SE E/LFT, SE HOMOCYSTEINE
Tests Completed:SE HDL, SE C-REACTIVE PROTEIN, DHEAS
Tests Pending :TOTAL TESTOSTERONE, SHBG, E2, LH, FSH, INSULIN, RT3

COOMBES, ANNA LOUISE
6 COUNTRY PL, BROOKFIELD. 4069
Phone: 04 23100432
Birthdate: 28/05/1982 **Sex:** F **Medicare Number:** 42349698984
Your Reference: **Lab Reference:** 25-97595104-FHM-0
Laboratory: QML Pathology
Addressee: DR RAVINDER K GORNALL **Referred by:** DR RAVINDER K GORNALL

Name of Test: FERTILITY HORMONE MASTER
Requested: 28/09/2025 **Collected:** 22/10/2025 **Reported:** 22/10/2025 20:13

Luteinizing Hormone	6	IU/L
Follicle Stimulating Hormone	15	IU/L
Oestradiol	260	pmol/L

Testosterone	0.6	nmol/L	(0.4-2.1)	
Sex Hormone Binding Globulin	94	nmol/L	(18-114)	
Ranges:	Follicular Phase	Midcycle Peak	Luteal Phase	Post-Menopausal
LH	2 - 12	10 - 130	1 - 17	15 - 60
FSH	1 - 10	3 - 33	1 - 9	20 - 140
Oestradiol	70 - 530	230 - 1310	200 - 790	< 120
Progesterone	< 5	rising	20 - 110	< 3

Tests Completed:TSH, FREE T4, FREE T3, TOTAL TESTOSTERONE, SHBG, E2, LH, FSH, FBC
 Tests Completed:SERUM FOLATE, SE E/LFT, SE HOMOCYSTEINE, SE HDL, SE C-REACTIVE PROTEIN
 Tests Completed:DHEAS
 Tests Pending :INSULIN, RT3

COOMBES, ANNA LOUISE
 6 COUNTRY PL, BROOKFIELD. 4069
Phone: 04 23100432
Birthdate: 28/05/1982 **Sex:** F **Medicare Number:** 42349698984
Your Reference: **Lab Reference:** 25-97595104-DBM-0
Laboratory: QML Pathology
Addressee: DR RAVINDER K GORNALL **Referred by:** DR RAVINDER K GORNALL

Name of Test: DIABETES MASTER
Requested: 28/09/2025 **Collected:** 22/10/2025 **Reported:** 23/10/2025 11:31

Insulin	5	mU/L	random (< 100)
Glucose	4.5	mmol/L	random (3.0-7.7)

Tests Completed:TSH, FREE T4, FREE T3, TOTAL TESTOSTERONE, SHBG, E2, LH, FSH, INSULIN
 Tests Completed:FBC, SERUM FOLATE, SE E/LFT, SE HOMOCYSTEINE, SE HDL
 Tests Completed:SE C-REACTIVE PROTEIN, DHEAS
 Tests Pending :RT3

COOMBES, ANNA LOUISE
 6 COUNTRY PL, BROOKFIELD. 4069
Phone: 04 23100432
Birthdate: 28/05/1982 **Sex:** F **Medicare Number:** 42349698984
Your Reference: **Lab Reference:** 25-97595104-RT3-0
Laboratory: QML Pathology
Addressee: DR RAVINDER K GORNALL **Referred by:** DR RAVINDER K GORNALL

Name of Test: REVERSE T3
Requested: 28/09/2025 **Collected:** 22/10/2025 **Reported:** 27/10/2025 06:57

Serum Reverse T3 (RT3)	218	pmol/L	(170-539)
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Tests Completed:TSH, FREE T4, FREE T3, TOTAL TESTOSTERONE, SHBG, E2, LH, FSH, INSULIN
 Tests Completed:FBC, SERUM FOLATE, SE E/LFT, SE HOMOCYSTEINE, SE HDL
 Tests Completed:SE C-REACTIVE PROTEIN, RT3, DHEAS
 Tests Pending :

COOMBES, ANNA LOUISE
 6 COUNTRY PL, BROOKFIELD. 4069
Phone: 04 23100432
Birthdate: 28/05/1982 **Sex:** F **Medicare Number:** 42349698984
Your Reference: **Lab Reference:** 25-97595104-LPT-0
Laboratory: QML Pathology
Addressee: DR RAVINDER K GORNALL **Referred by:** DR RAVINDER K GORNALL

Requested: 28/09/2025 **Collected:** 22/10/2025 **Reported:** 13/11/2025 07:27

+ Plasma Leptin 28.1 ng/mL (3.7-11.1)
Reference interval applies to fasting specimens.

The Plasma Leptin assay was performed and reported by the Royal Prince Alfred Hospital.

Tests Completed:TSH, FREE T4, FREE T3, TOTAL TESTOSTERONE, SHBG, E2, LH, FSH, INSULIN
Tests Completed:FBC, SERUM FOLATE, SE E/LFT, SE HOMOCYSTEINE, SE HDL
Tests Completed:SE C-REACTIVE PROTEIN, RT3, DHEAS
Tests Pending :