

NIIM Clinic

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16/09/2025

Dr Chris Neil
Heartwise
58a Whitehorse Road
Deepdene 3103
Phone: 1300 870 772

info@heartwise.me

Dear Chris,

Re: Mrs Mary Mangos
29 Oswin Street
Kew East 3102
Date of birth: 04/06/1965
Mob: 0407 225 459 Home Ph:
Medicare No: 3259184171-1

Thank you for seeing Mrs Mary Mangos, age 60 yrs, for opinion and management of high cholestrol in the setting of long COVID. There is a family history of high chol ? familial hyperchol gene testing required.
She is intolerant to statins due to lactose intolerance. Lipid subfraction type B.

Past History:

	Lactose intolerance
30/05/2017	Menopause
01/09/2022	Long COVID-19
2025	Dysautonomia

Allergies:

Nil known.

Current Medications:

AndroFeme 1 (Contains Tree nut products - Almond Oil)	1ml Daily.
1% Cream	
Estraderm MX 50 Patch	1 Patch Twice a week.
Estradot 100 Transdermal Patch	½ Twice a week.
EstroGel 0.06% Gel	2 Applications Daily.
LDN 2mg Capsule	1 Capsule Daily.
Midodrine 5mg Tablet	0.5-1 Tablet Three times a day.

Naltrexone 0.1mg Capsule	1 Capsule Daily.
Naltrexone Capsule	1 Capsule Daily.
Ovestin Vaginal 1mg/g Cream	1 Application Every 3 days.
Progesterone 200 Capsule, modified release	1 Capsule Before bed.

Thank you for your care and assistance. I look forward to hearing the outcome of Mary's attendance.

Yours sincerely,



Dr Lucia Murnane
296767NT
MBBS FRACGP MReproMed DCH GradDipBioethics NFPMC

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 Sex: F Medicare Number: 3259184171
Your Reference: Lab Reference: 971774557-H-H900
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE Referred by: DR LUCIA MURNANE

Name of Test: ED-HAEMATOLOGY
Requested: 28/02/2025 Collected: 08/04/2025 Reported: 08/04/2025 12:18

HAEMATOLOGY - Blood/EDTA

				Latest Results		
Date	13-Apr-23	20-Jun-23	08-Oct-24	08-Apr-25		
Time F-Fast	1026 F	1027 F	0914 F	0943 F		
Lab Id.	394976430	395108846	974771023	971774557	Reference	Units
HAEMOGLOBIN		125	128	(115-160)		g/L
Hct		0.39	0.40	(0.35-0.47)		
RBC		4.2	4.5	(3.7-5.2)		x10 ¹² /L
MCV		92	90	(80-100)		fL
MCH		30	28	(27-34)		pg
MCHC		321	318	(310-360)		g/L
RDW		12.6	12.7	(11-17)		
PLATELETS	175	186	192	(150-450)		x 10 ⁹ /L
WHITE CELLS		4.6	4.0	(4.0-11.0)		x10 ⁹ /L
Neutrophils		2.7	2.0	(2.0-7.5)		x10 ⁹ /L
Lymphocytes		1.6	1.7	(1.0-4.0)		x10 ⁹ /L
Monocytes		0.3	0.3	(0-1.0)		x10 ⁹ /L
Eosinophils		0.0	0.0	(0-0.5)		x10 ⁹ /L
Basophils		0.0	0.0	(0-0.3)		x10 ⁹ /L
ESR	16	3 L	11	(5-20)		mm/hr

Dept Supervising Pathologist: Dr Linda Saravanan

Melbourne Pathology NATA No.:2133

Tests Completed: FBE
Tests Pending : FLS,EUC,LFT,C3,IGE,RF,GLUF,IGG,IGM,IGA,CRP,B12,
INSULIN,COELIAC GENE TEST,LUPUS,ADNA,ANA,CCP,ENA,

ANCA, CARD
Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 Sex: F Medicare Number: 3259184171
Your Reference: Lab Reference: 971774557-H-H468
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE Referred by: DR LUCIA MURNANE

Name of Test: CI-LUPUS ANTICOAGULANT
Requested: 28/02/2025 Collected: 08/04/2025 Reported: 08/04/2025 12:48

	Latest Results
Date	08-Apr-25
Time F-Fast	0943 F
Lab Id.	971774557 Reference Units

LUPUS AC NEG

Comments on Collection 08-Apr-25 0943 F:
A lupus inhibitor was not detected by APTT, DRVVT and PTT-LA.

Dept Supervising Pathologist: Dr Linda Saravanan

Melbourne Pathology NATA No.:2133

Tests Completed: GLUF, FBE, LUPUS
Tests Pending : FLS, EUC, LFT, C3, IGE, RF, IGG, IGM, IGA, CRP, B12, INSULIN,
COELIAC GENE TEST, ADNA, ANA, CCP, ENA, ANCA, CARD
Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 Sex: F Medicare Number: 3259184171
Your Reference: Lab Reference: 971774557-C-C012
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE Referred by: DR LUCIA MURNANE

Name of Test: SE-LIPID - HDL/LDL
Requested: 28/02/2025 Collected: 08/04/2025 Reported: 08/04/2025 13:18

	Latest Results				
Date	17-Oct-23	08-Oct-24	29-Nov-24	08-Apr-25	
Time F-Fast	1100 F	0914 F	1056 F	0943 F	
Lab Id.	393940976	974771023	971604736	971774557	Reference Units
S CHOL	6.0 H	7.4 H	6.4 H	8.3 H	(3.5-5.5) mmol/L
S TRIG	1.0	1.4	1.0	1.6	(<1.7) mmol/L
S HDL-CHOL	1.40	1.36	1.24	1.37	(>1.20) mmol/L
S LDL-CHOL	4.1 H	5.4 H	4.7 H	6.2 H	(<3.5) mmol/L
S CHOL/HDL	4.3	5.4 H	5.2 H	6.1 H	(<4.5)
S Non HDL	4.6 H	6.0 H	5.2 H	6.9 H	(<3.9) mmol/L

Comments on Collection 08-Apr-25 0943 F:
FLS
Familial hypercholesterolaemia (an autosomal co-dominant condition associated with elevated LDL-cholesterol and premature CVD) is an important consideration. Recommend secondary causes of elevated LDL-cholesterol including hypothyroidism, cholestasis and nephrotic syndrome be excluded.

Suggest clinical review for tendon xanthomata, personal and family history of premature CVD, and calculation of the likelihood of FH (see <http://www.athero.org.au/fh/calculator>). Recommend specialist review and consideration of Medicare-rebated genetic testing for FH. Further information at sonicgenetics.com.au/fh.

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF, GLUF, IGG, IGM, IGA, CRP, INSULIN, FBE, LUPUS

Tests Pending : B12, COELIAC GENE TEST, ADNA, ANA, CCP, ENA, ANCA, CARD

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 Sex: F Medicare Number: 3259184171
Your Reference: Lab Reference: 971774557-C-C950
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE Referred by: DR LUCIA MURNANE

Name of Test: SE- CHEMISTRY
Requested: 28/02/2025 Collected: 08/04/2025 Reported: 08/04/2025 13:18

MULTIPLE BIOCHEMICAL ANALYSIS - Serum

				Latest Results		
Date	23-Aug-23	17-Oct-23	08-Oct-24	08-Apr-25		
Time F-Fast	1158	1100 F	0914 F	0943 F		
Lab Id.	388373953	393940976	974771023	971774557	Reference	Units
S SODIUM				140	(135-145)	mmol/L
S POTASSIUM				4.3	(3.5-5.5)	mmol/L
S CHLORIDE				104	(95-110)	mmol/L
S BICARB				23	(20-32)	mmol/L
S UREA				5.8	(3.0-8.0)	mmol/L
S CREAT				78	(45-85)	umol/L
eGFR				72	(>59)	
S T-BIL				17 H	(3-15)	umol/L
S ALP				73	(40-130)	U/L
S GGT				9	(5-35)	U/L
S ALT				16	(5-30)	U/L
S AST				19	(10-35)	U/L
S T-PROTEIN				70	(63-80)	g/L
S ALBUMIN	38	38		38	(33-44)	g/L
S GLOBULIN				32	(23-41)	g/L
S GLU (Fast)			5.0		(3.6-6.0)	mmol/L
P GLU(Fast)				5.2	(3.6-6.0)	mmol/L

Comments on Collection 08-Apr-25 0943 F:
EUC

eGFR between 60 and 90 mL/min/1.73m2 could be normal if it is stable over time. Otherwise, consider testing for albuminuria using first morning void if indicated.

For clinicians requiring assistance with interpreting this report, a Chemical Pathologist or Clinical Scientist will be available during office hours on (03) 9287 7733.

LFT

NOTE: Change of reference interval for Alkaline Phosphatase (ALP), effective from 09/12/2024.

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF,GLUF,IGG,IGM,IGA,CRP,INSULIN,
FBE,LUPUS

Tests Pending : B12,COELIAC GENE TEST,ADNA,ANA,CCP,ENA,ANCA,CARD

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102

Phone: 0407225459

Birthdate: 04/06/1965 Sex: F Medicare Number: 3259184171

Your Reference: Lab Reference: 971774557-C-C102

Laboratory: Melbourne Pathology

Addressee: DR LUCIA MURNANE Referred by: DR LUCIA MURNANE

Name of Test: SE-C3/C4

Requested: 28/02/2025 Collected: 08/04/2025 Reported: 08/04/2025 13:18

S Complement C3: 1.32 (0.83 - 1.77) g/L

S Complement C4: 0.22 (0.15 - 0.45) g/L

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF,GLUF,IGG,IGM,IGA,CRP,INSULIN,
FBE,LUPUS

Tests Pending : B12,COELIAC GENE TEST,ADNA,ANA,CCP,ENA,ANCA,CARD

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102

Phone: 0407225459

Birthdate: 04/06/1965 Sex: F Medicare Number: 3259184171

Your Reference: Lab Reference: 971774557-C-C152

Laboratory: Melbourne Pathology

Addressee: DR LUCIA MURNANE Referred by: DR LUCIA MURNANE

Name of Test: SE-IMMUNOGLOBULIN E

Requested: 28/02/2025 Collected: 08/04/2025 Reported: 08/04/2025 13:18

Date	Latest Results
Time F-Fast	08-Apr-25
Lab Id.	0943 F
	971774557 Reference Units
S IgE	6 (<100) kU/L

Comments on Collection 08-Apr-25 0943 F:

IGE

High dose biotin (>5 mg/day) may artefactually decrease the IgE result obtained by this method. If the patient is taking 5-20 mg/day of biotin, suggest withhold for at least 8 hours before blood test (if taking 300 mg/day, withhold for at least 72 hours).

For clinicians requiring assistance with interpreting this report, a Chemical Pathologist or Clinical Scientist will be available during office hours on (03) 9287 7733.

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF,GLUF,IGG,IGM,IGA,CRP,INSULIN,
FBE,LUPUS

Tests Pending : B12,COELIAC GENE TEST,ADNA,ANA,CCP,ENA,ANCA,CARD

Sample Pending :

MANGOS, MARY

29 OSWIN ST, KEW EAST. 3102

Phone: 0407225459

Birthdate: 04/06/1965 Sex: F Medicare Number: 3259184171

Your Reference: Lab Reference: 971774557-C-C158

Laboratory: Melbourne Pathology

Addressee: DR LUCIA MURNANE Referred by: DR LUCIA MURNANE

Name of Test: SE-RHEUMATOID FACTOR

Requested: 28/02/2025 Collected: 08/04/2025 Reported: 08/04/2025 13:18

S Rheumatoid Factor: <10 (<20) IU/mL

Comments on Lab Id. 971774557

Interpretation:

Results < 20 IU/mL - Negative
20 - 50 IU/mL - Borderline
> 50 IU/mL - Positive

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF,GLUF,IGG,IGM,IGA,CRP,INSULIN,
FBE,LUPUS

Tests Pending : B12,COELIAC GENE TEST,ADNA,ANA,CCP,ENA,ANCA,CARD

Sample Pending :

MANGOS, MARY

29 OSWIN ST, KEW EAST. 3102

Phone: 0407225459

Birthdate: 04/06/1965 Sex: F Medicare Number: 3259184171

Your Reference: Lab Reference: 971774557-C-C154

Laboratory: Melbourne Pathology

Addressee: DR LUCIA MURNANE Referred by: DR LUCIA MURNANE

Name of Test: SE- PROTEIN STUDIES

Requested: 28/02/2025 Collected: 08/04/2025 Reported: 08/04/2025 13:18

Protein Studies

				Latest Results	
Date	19-Jul-22	05-Dec-22	13-Apr-23	08-Apr-25	
Time F-Fast	1151	1135	1026 F	0943 F	
Lab Id.	393584194	364928992	394976430	971774557	Reference Units
S IgG				10.4	(7.0-16.0) g/L
S IgA				2.1	(0.7-4.0) g/L
S IgM				0.9	(0.4-3.0) g/L
S T-PROTEIN	67	65	62 L	70	(63-80) g/L

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF, GLUF, IGG, IGM, IGA, CRP, INSULIN,
FBE, LUPUS

Tests Pending : B12, COELIAC GENE TEST, ADNA, ANA, CCP, ENA, ANCA, CARD

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 **Sex:** F **Medicare Number:** 3259184171
Your Reference: **Lab Reference:** 971774557-C-E887
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE **Referred by:** DR LUCIA MURNANE

Name of Test: SE-CRP
Requested: 28/02/2025 **Collected:** 08/04/2025 **Reported:** 08/04/2025 13:18

CRP

	Latest Results					
Date	05-Dec-22	13-Apr-23	08-Oct-24	08-Apr-25		
Time F-Fast	1135	1026 F	0914 F	0943 F		
Lab Id.	364928992	394976430	974771023	971774557	Reference	Units
S CRP	2	2	1	2	(<5)	mg/L

CRP Specimen - Serum

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF, GLUF, IGG, IGM, IGA, CRP, INSULIN,
FBE, LUPUS

Tests Pending : B12, COELIAC GENE TEST, ADNA, ANA, CCP, ENA, ANCA, CARD

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 **Sex:** F **Medicare Number:** 3259184171
Your Reference: **Lab Reference:** 971774557-C-C525
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE **Referred by:** DR LUCIA MURNANE

Name of Test: SE-INSULIN FASTING
Requested: 28/02/2025 **Collected:** 08/04/2025 **Reported:** 08/04/2025 13:18

	Latest Results					
Date	14-Jan-21	13-Apr-23	08-Oct-24	08-Apr-25		
Time F-Fast	0851 F	1026 F	0914 F	0943 F		
Lab Id.	363699566	394976430	974771023	971774557	Reference	Units
S INSULIN	7.0	5.2	6.0	10.1	(<17)	mU/L

Comments on Collection 08-Apr-25 0943 F:
INSULIN

This reference interval is for fasting, normoglycaemic and non-obese population.

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF,GLUF,IGG,IGM,IGA,CRP,INSULIN,
FBE,LUPUS

Tests Pending : B12,COELIAC GENE TEST,ADNA,ANA,CCP,ENA,ANCA,CARD

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 Sex: F Medicare Number: 3259184171
Your Reference: Lab Reference: 971774557-C-C329
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE Referred by: DR LUCIA MURNANE

Name of Test: SE-B12/FOLATE VIRT
Requested: 28/02/2025 Collected: 08/04/2025 Reported: 08/04/2025 13:48

B12/FOLATE - Serum

				Latest Results	
Date	12-Oct-15	22-Oct-15	05-Aug-21	08-Apr-25	
Time F-Fast	1100	1200	0938 F	0943 F	
Lab Id.	335996019	336053810	367164860	971774557	Reference Units
S FOLATE	38.2		42.0		(>6.0) nmol/L
S TOTAL B12	330	320	535	513	(200-700) pmol/L

Comments on Collection 08-Apr-25 0943 F:
B12

High dose biotin (>5 mg/day) may artefactually increase total Vitamin B12 and Folate results obtained by this method. If the patient is taking 5-20 mg/day of biotin, suggest withhold for at least 8 hours before blood test (if taking 300 mg/day, withhold for at least 72 hours).
For clinicians requiring assistance with interpreting this report, a Chemical Pathologist or Clinical Scientist will be available during office hours on (03) 9287 7733.

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF,GLUF,IGG,IGM,IGA,CRP,B12,
INSULIN,FBE,LUPUS

Tests Pending : COELIAC GENE TEST,ADNA,ANA,CCP,ENA,ANCA,CARD

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 Sex: F Medicare Number: 3259184171
Your Reference: Lab Reference: 971774557-I-I901
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE Referred by: DR LUCIA MURNANE

Name of Test: SE-Autoantibodies
Requested: 28/02/2025 Collected: 08/04/2025 Reported: 08/04/2025 17:18

dsDNA Autoantibodies

	Latest Results
Date	08-Apr-25
Time F-Fast	0943 F

Lab Id.	971774557	Reference	Units
Anti-DNA (FE)	<7	(<10)	IU/mL

Comments on Collection 08-Apr-25 0943 F:

A negative anti-dsDNA result alone does not exclude SLE. Anti-DNA antibody levels may drop below 7 IU/mL in SLE patients receiving immunosuppressive therapy.

Specimen type: Serum

Anti-DNA (FE): Anti-dsDNA by fluorescent enzyme immunoassay (Phadia EliA)

Drs G Unglik & J Bosco

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF, GLUF, IGG, IGM, IGA, CRP, B12,
INSULIN, FBE, LUPUS, ADNA, CCP, ENA, CARD

Tests Pending : COELIAC GENE TEST, ANA, ANCA

Sample Pending :

MANGOS, MARY

29 OSWIN ST, KEW EAST. 3102

Phone: 0407225459

Birthdate: 04/06/1965 Sex: F Medicare Number: 3259184171

Your Reference: Lab Reference: 971774557-I-Q051

Laboratory: Melbourne Pathology

Addressee: DR LUCIA MURNANE Referred by: DR LUCIA MURNANE

Name of Test: SE- VIRTUAL CCP

Requested: 28/02/2025 Collected: 08/04/2025 Reported: 08/04/2025 17:18

Cyclic citrullinated peptide antibodies

Date	Latest Results
Time F-Fast	08-Apr-25
Lab Id.	0943 F
	971774557
	Reference Units
CCP Abs	<5 (<7) U/mL

Comments on Collection 08-Apr-25 0943 F:

Reference Range:	<7	NEGATIVE
	7-10	EQUIVOCAL
	>10	POSITIVE

An elevated CCP can be found in a significant number of patients with rheumatoid arthritis who have a negative RF. CCP antibodies may be detected in about 50-60% of patients with early RA (3-6 months after the beginning of symptoms).

Specimen type: Serum

Method: Fluorescent enzyme immunoassay (Phadia EliA)

Drs G Unglik & J Bosco

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF, GLUF, IGG, IGM, IGA, CRP, B12,
INSULIN, FBE, LUPUS, ADNA, CCP, ENA, CARD

Tests Pending : COELIAC GENE TEST, ANA, ANCA

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 Sex: F Medicare Number: 3259184171
Your Reference: Lab Reference: 971774557-I-I157
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE Referred by: DR LUCIA MURNANE

Name of Test: SE- ENA VIRTUAL
Requested: 28/02/2025 Collected: 08/04/2025 Reported: 08/04/2025 17:18

Antibodies to Extractable Nuclear Antigens	Latest Results
Date	08-Apr-25
Time	0943 F
Lab Id.	971774557
ENA	Negative

Comments on Collection 08-Apr-25 0943 F:
The ENA (Phadia EliA) method screens for the following extractable nuclear antigens: SM, RNP, SS-A (RO), SS-B (LA), RO-52, SCL-70, JO-1 and CENPB. If testing for other ENA specificities is required, or if a high index of suspicion for an ANA-associated connective tissue disease remains please contact the laboratory as soon as possible so that other ENA testing can be added to this specimen if required. Please Note: specimens are only stored for 1 week following testing.

Specimen type: Serum

Drs G Unglik & J Bosco

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF,GLUF,IGG,IGM,IGA,CRP,B12,
INSULIN,FBE,LUPUS,ADNA,CCP,ENA,CARD
Tests Pending : COELIAC GENE TEST,ANA,ANCA
Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 Sex: F Medicare Number: 3259184171
Your Reference: Lab Reference: 971774557-I-I194
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE Referred by: DR LUCIA MURNANE

Name of Test: SE-CARD/B2GP1
Requested: 28/02/2025 Collected: 08/04/2025 Reported: 08/04/2025 17:18

Date	Latest Results
Time F-Fast	08-Apr-25
Lab Id.	0943 F
	971774557 Reference Units
aCL IgG	<1 (<10) GPL-U/mL
B2GP1	1 (<7) U/mL

Comments on Collection 08-Apr-25 0943 F:

Reference Range: (Anticardiolipin IgG antibodies)
Negative: <10 GPL-U/mL
Weak Positive: 10-40 GPL-U/mL
Positive: >40 GPL-U/mL

Reference Range: (Beta 2 Glycoprotein 1 IgG antibodies)
Negative: <7 U/mL
Weak Positive: 7-10 U/mL
Positive: >10 U/mL

IgG aCL/B2GP1 negative. A small proportion of patients with antiphospholipid antibody syndrome (APS) have undetectable IgG anticardiolipin or anti-B2GP1 antibodies. Consider tests for lupus anticoagulant if APS is clinically suspected.

* aCL IgG = Anticardiolipin IgG (Phadia EliA)
* B2GP1 = Beta 2 Glycoprotein 1 IgG (Phadia EliA)

Specimen type: Serum
Method: Fluorescent enzyme immunoassay (Phadia EliA)

Drs G Unglik & J Bosco

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF, GLUF, IGG, IGM, IGA, CRP, B12,
INSULIN, FBE, LUPUS, ADNA, CCP, ENA, CARD

Tests Pending : COELIAC GENE TEST, ANA, ANCA

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 **Sex:** F **Medicare Number:** 3259184171
Your Reference: **Lab Reference:** 971774557-I-I168
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE **Referred by:** DR LUCIA MURNANE

Name of Test: SE-ANCA
Requested: 28/02/2025 **Collected:** 08/04/2025 **Reported:** 09/04/2025 12:48

Vasculitis Serology

Anti-Neutrophil Cytoplasmic Ab (ANCA) IF Negative

Comments on Lab Id. 971774557

Negative ANCA results may occur in 20% of patients with granulomatosis with polyangiitis (GPA), microscopic polyangiitis (MPA) or eosinophilic granulomatosis with polyangiitis (EGPA).

Specimen type: Serum

Drs G Unglik & J Bosco

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF, GLUF, IGG, IGM, IGA, CRP, B12,
INSULIN, FBE, LUPUS, ADNA, CCP, ENA, ANCA, CARD

Tests Pending : COELIAC GENE TEST, ANA

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 **Sex:** F **Medicare Number:** 3259184171
Your Reference: **Lab Reference:** 971774557-I-I008
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE **Referred by:** DR LUCIA MURNANE

Name of Test: SE-ANTINUCLEAR FACTOR
Requested: 28/02/2025 **Collected:** 08/04/2025 **Reported:** 09/04/2025 15:18

Anti-Nuclear Antibodies

ANA Not Detected

Comments on Lab Id. 971774557

Method: Indirect Immunofluorescence on Hep2000
Specimen type: Serum

Drs G Unglik & J Bosco

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF, GLUF, IGG, IGM, IGA, CRP, B12,
INSULIN, FBE, LUPUS, ADNA, ANA, CCP, ENA, ANCA, CARD
Tests Pending : COELIAC GENE TEST
Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 **Sex:** F **Medicare Number:** 3259184171
Your Reference: **Lab Reference:** 971774557-I-G783
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE **Referred by:** DR LUCIA MURNANE

Name of Test: ED-COELIAC HLA DR/DQ
Requested: 28/02/2025 **Collected:** 08/04/2025 **Reported:** 10/04/2025 14:18

Genotyping for Coeliac Disease

Specimen type EDTA blood
Method Real-time PCR

Result: Coeliac susceptibility genotype NOT DETECTED
(DQA1*05-, DQB1*02-, DQB1*03:02/05-)

Interpretation: Not consistent with the presence of HLA-DQ2 or
HLA-DQ8 antigens. In the absence of these antigens
coeliac disease is extremely unlikely (<1%).

Comments on Lab Id. 971774557

Test Information:

Qualitative detection of HLA-DQA1*02:01, HLA-DQA1*05:XX, HLA-DQB1*02:XX,
HLA-DQB1*03:02/03:05 and HLA-DRB1*04:XX alleles is performed using the
GeneFinder HLA-DQ2/DQ8 RealAmp kit (Osang Healthcare). This assay is
designed to identify DQ2 (2.2 and 2.5) and DQ8 antigens that are present in
more than 95% of individuals with coeliac disease. Some additional rare
genotypes consistent with HLA-DQ8 antigen may be detectable by this assay
though indistinguishable from HLA-DQB1*03:02/05. False positive results due
to cross-reactivity with rare subtypes are possible. Rare subtypes, the
presence of additional heterodimers, and zygosity of detected alleles
cannot be determined by this assay. A full list of alleles to 4-digit HLA
nomenclature detectable by this assay is available on request. References:
PMID 25827511; 23981538.

Drs G Unglik & J Bosco

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,EUC,LFT,C3,IGE,RF,GLUF,IGG,IGM,IGA,CRP,B12,
INSULIN,COELIAC GENE TEST,FBE,LUPUS,ADNA,ANA,CCP,ENA,
ANCA,CARD

Tests Pending :

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 **Sex:** F **Medicare Number:** 3259184171
Your Reference: 843C300095 **Lab Reference:** 975800598-C-C950
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE **Referred by:** DR LUCIA MURNANE
Copy to:
EMAILED PATIENT COPY

Name of Test: SE- CHEMISTRY
Requested: 22/04/2025 **Collected:** 05/05/2025 **Reported:** 05/05/2025 15:48

MULTIPLE BIOCHEMICAL ANALYSIS - Serum

				Latest Results		
Date	17-Oct-23	08-Oct-24	08-Apr-25	05-May-25		
Time F-Fast	1100 F	0914 F	0943 F	0946		
Lab Id.	393940976	974771023	971774557	975800598	Reference	Units
S SODIUM			140		(135-145)	mmol/L
S POTASSIUM			4.3		(3.5-5.5)	mmol/L
S CHLORIDE			104		(95-110)	mmol/L
S BICARB			23		(20-32)	mmol/L
S UREA			5.8		(3.0-8.0)	mmol/L
S CREAT			78		(45-85)	umol/L
eGFR			72		(>59)	
S T-BIL			17 H	11	(3-15)	umol/L
S ALP			73	76	(40-130)	U/L
S GGT			9	7	(5-35)	U/L
S ALT			16	12	(5-30)	U/L
S AST			19	14	(10-35)	U/L
S T-PROTEIN			70	67	(63-80)	g/L
S ALBUMIN	38		38	36	(33-44)	g/L
S GLOBULIN			32	31	(23-41)	g/L
S GLU (Fast)		5.0			(3.6-6.0)	mmol/L
P GLU(Fast)			5.2		(3.6-6.0)	mmol/L

Comments on Collection 05-May-25 0946:

LFT

NOTE: Change of reference interval for Alkaline Phosphatase (ALP),
effective from 09/12/2024.

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: LFT

Tests Pending : VITD,LDLSUB*

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 **Sex:** F **Medicare Number:** 3259184171
Your Reference: 843C300095 **Lab Reference:** 975800598-C-C316
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE **Referred by:** DR LUCIA MURNANE

Copy to:

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Name of Test: SE-VITAMIN D**Requested:** 22/04/2025 **Collected:** 05/05/2025 **Reported:** 05/05/2025 16:18

	Latest Results					
Date	05-Dec-22	13-Apr-23	08-Oct-24	05-May-25		
Time F-Fast	1135	1026 F	0914 F	0946		
Lab Id.	364928992	394976430	974771023	975800598	Reference	Units
S 25OH VIT D	111	94	94	134	(50-250)	nmol/L

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: LFT,VITD

Tests Pending : LDLSUB*

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 **Sex:** F **Medicare Number:** 3259184171
Your Reference: 843C300095 **Lab Reference:** 975800598-N-S074
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE **Referred by:** DR LUCIA MURNANE
Copy to:

EMAILED PATIENT COPY

Name of Test: SE-LIPID SUBFRACTIONS***Requested:** 22/04/2025 **Collected:** 05/05/2025 **Reported:** 13/05/2025 07:20**Lipid Subfractions**

Cholesterol	7.25 H	(3.90 - 5.50)	mmol/L
VLDL	0.75 H	(0.16 - 0.67)	mmol/L

IDL

Mid C	0.49	(0.23 - 0.62)	mmol/L
Mid B	0.42	(0.13 - 0.44)	mmol/L
Mid A	0.67	(0.16 - 0.67)	mmol/L

LDL

LDL 1	1.34	(0.00 - 1.48)	mmol/L
LDL 2	1.32 H	(0.00 - 0.78)	mmol/L

Small Dense LDL

LDL 3	0.79 H	(0.00 - 0.15)	mmol/L
LDL 4	0.18 H	(<0.01)	mmol/L
LDL 5	Not detected		
LDL 6	Not detected		
LDL 7	Not detected		

Total LDL	5.22 H	(1.53 - 3.32)	mmol/L
Total IDL	1.58	(0.52 - 1.73)	mmol/L
Total Small Dense LDL	0.98 H	(0.00 - 0.15)	mmol/L

HDL	1.29	(1.04 - 2.67)	mmol/L
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Number of LDL Peaks	3 H	(<2)	
Mean Size (Research only)	261.8 L	(268.0 - 400.0)	A
Coronary Risk	Type B		

Comments on Lab Id. 975800598

Type B (Abnormal) profile, based on the average LDL particle size.

Type B individuals show increased risk of adverse cardiac events.

Melbourne Pathology NATA No.:2133

Tests Completed: LFT,VITD,LDLSUB*

Tests Pending :

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 **Sex:** F **Medicare Number:** 3259184171
Your Reference: **Lab Reference:** 980251741-C-C012
Laboratory: Melbourne Pathology
Addressee: DR LUCIA MURNANE **Referred by:** DR LUCIA MURNANE

Name of Test: SE-LIPID - HDL/LDL

Requested: 20/05/2025 **Collected:** 08/09/2025 **Reported:** 09/09/2025 07:48

					Latest Results	
Date	08-Oct-24	29-Nov-24	08-Apr-25	08-Sep-25		
Time F-Fast	0914 F	1056 F	0943 F	0934 F		
Lab Id.	974771023	971604736	971774557	980251741	Reference	Units
S CHOL	7.4 H	6.4 H	8.3 H	7.5 H	(3.5-5.5)	mmol/L
S TRIG	1.4	1.0	1.6	1.8 H	(<1.7)	mmol/L
S HDL-CHOL	1.36	1.24	1.37	1.20 L	(>1.20)	mmol/L
S LDL-CHOL	5.4 H	4.7 H	6.2 H	5.5 H	(<3.5)	mmol/L
S CHOL/HDLC	5.4 H	5.2 H	6.1 H	6.3 H	(<4.5)	
S Non HDLC	6.0 H	5.2 H	6.9 H	6.3 H	(<3.9)	mmol/L

Comments on Collection 08-Sep-25 0934 F:

FLS

Familial hypercholesterolaemia (an autosomal co-dominant condition associated with elevated LDL-cholesterol and premature CVD) is an important consideration. Recommend secondary causes of elevated LDL-cholesterol including hypothyroidism, cholestasis and nephrotic syndrome be excluded. Suggest clinical review for tendon xanthomata, personal and family history of premature CVD, and calculation of the likelihood of FH (see <http://www.athero.org.au/fh/calculator>). Recommend specialist review and consideration of Medicare-rebated genetic testing for FH. Further information at sonicgenetics.com.au/fh.

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,CK

Tests Pending : LFT

Sample Pending :

MANGOS, MARY
29 OSWIN ST, KEW EAST. 3102
Phone: 0407225459
Birthdate: 04/06/1965 **Sex:** F **Medicare Number:** 3259184171
Your Reference: **Lab Reference:** 980251741-C-C950

Laboratory: Melbourne Pathology

Addressee: DR LUCIA MURNANE

Referred by: DR LUCIA MURNANE

Name of Test: SE- CHEMISTRY

Requested: 20/05/2025

Collected: 08/09/2025

Reported: 09/09/2025

08:18

MULTIPLE BIOCHEMICAL ANALYSIS - Serum

				Latest Results	
Date	08-Oct-24	08-Apr-25	05-May-25	08-Sep-25	
Time F-Fast	0914 F	0943 F	0946	0934 F	
Lab Id.	974771023	971774557	975800598	980251741	Reference Units
S SODIUM		140			(135-145) mmol/L
S POTASSIUM		4.3			(3.5-5.5) mmol/L
S CHLORIDE		104			(95-110) mmol/L
S BICARB		23			(20-32) mmol/L
S UREA		5.8			(3.0-8.0) mmol/L
S CREAT		78			(45-85) umol/L
eGFR		72			(>59)
S T-BIL		17 H	11	13	(3-15) umol/L
S ALP		73	76	84	(40-130) U/L
S GGT		9	7	6	(5-35) U/L
S ALT		16	12	19	(5-30) U/L
S AST		19	14	22	(10-35) U/L
S T-PROTEIN		70	67	67	(63-80) g/L
S ALBUMIN		38	36	37	(33-44) g/L
S GLOBULIN		32	31	30	(23-41) g/L
S CK				43	(30-150) U/L
S GLU (Fast)	5.0				(3.6-6.0) mmol/L
P GLU(Fast)		5.2			(3.6-6.0) mmol/L

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: FLS,LFT,CK

Tests Pending :

Sample Pending :