

ROMER TOTH, ESTHER
 8/351 EDGECLIFF RD, EDGECLIFF. 2027
Phone: 0436284336
Birthdate: 06/07/1965 **Sex:** F **Medicare Number:** 2612184177
Your Reference: 04B101DBB5 **Lab Reference:** 851047590-C-Biochemistry
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR CHARLES ELLIS **Referred by:** DR CHARLES ELLIS

Name of Test: Biochemistry
Requested: 23/03/2024 **Collected:** 25/03/2024 **Reported:** 25/03/2024
 15:45

Clinical notes: check-up, ?immunodef. Fasting.

Clinical Notes : check-up, ?immunodef. Fasting.

BIOCHEMISTRY

Date	20/08/19	05/01/22	25/03/24		
Time F-Fast	1012	1607	0859 F		
Lab ID	295121613	864196907	851047590	Units	Reference
Status		Random	Fasting		
Sodium	138	141	142	mmol/L	(135-145)
Potassium	4.5	4.0	4.9	mmol/L	(3.5-5.5)
Chloride	104	105	107	mmol/L	(95-110)
Bicarbonate	26	27	30	mmol/L	(20-32)
Urea	5.1	5.0	5.7	mmol/L	(3.0-8.0)
Creatinine	65	65	70	umol/L	(45-85)
eGFR	>90	88	86	mL/min/1.73m2	(>59)
Bili.Total	10	H 19	9	umol/L	(3-15)
ALP	49	44	48	U/L	(30-115)
GGT	9	7	9	U/L	(5-35)
LD	149	139	156	U/L	(120-250)
AST	18	19	19	U/L	(10-35)
ALT	9	16	20	U/L	(5-30)
Total Protein	69	69	64	g/L	(64-83)
Albumin	45	H 48	45	g/L	(36-47)
Globulin	24	L 21	L 19	g/L	(23-39)
Cholesterol			4.4	mmol/L	(<5.5)
Triglycerides			0.5	mmol/L	(<2.0)

Comments on Collection 25/03/24 0859 F:
 eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Glu(s), Lipids HDL(s),
 FBC(e), IgA(s), IgG(s), IgM(s)
 Tests Pending : B12(s), Ferr(s), RU-Malb, Vit D(s), TSH(s),
 HbA1c Diag(e), IGG SUBCLASSES
 Sample Pending :

ROMER TOTH, ESTHER
 8/351 EDGECLIFF RD, EDGECLIFF. 2027
Phone: 0436284336
Birthdate: 06/07/1965 **Sex:** F **Medicare Number:** 2612184177
Your Reference: 04B101DBB5 **Lab Reference:** 851047590-C- _Glucose
Laboratory: Douglass Hanly Moir Pathology eOrder

Addressee: DR CHARLES ELLIS **Referred by:** DR CHARLES ELLIS

Name of Test: _Glucose

Requested: 23/03/2024 **Collected:** 25/03/2024 **Reported:** 25/03/2024
15:45

Clinical notes: check-up, ?immunodef. Fasting.

Clinical Notes : check-up, ?immunodef. Fasting.

GLUCOSE

Date	05/01/22	25/03/24		
Time F-Fast	1607	0859 F		
Lab ID	864196907	851047590	Units	Reference
R Gluc Plasma	4.7		mmol/L	(3.6-7.7)
F Gluc Serum		5.0	mmol/L	(3.6-6.0)

NATA Accreditation No 2178

Tests Completed: LFT(s),C(s),UCreat(s),E(s),Glu(s),Lipids HDL(s),
FBC(e),IgA(s),IgG(s),IgM(s)

Tests Pending : B12(s),Ferr(s),RU-Malb,Vit D(s),TSH(s),
HbA1c Diag(e),IGG SUBCLASSES

Sample Pending :

ROMER TOTH, ESTHER

8/351 EDGECLIFF RD, EDGECLIFF. 2027

Phone: 0436284336

Birthdate: 06/07/1965 **Sex:** F **Medicare Number:** 2612184177

Your Reference: 04B101DBB5 **Lab Reference:** 851047590-C-HDL

Laboratory: Douglass Hanly Moir Pathology eOrder

Addressee: DR CHARLES ELLIS **Referred by:** DR CHARLES ELLIS

Name of Test: Lipids HDL(s)

Requested: 23/03/2024 **Collected:** 25/03/2024 **Reported:** 25/03/2024
15:45

Clinical notes: check-up, ?immunodef. Fasting.

Clinical Notes : check-up, ?immunodef. Fasting.

Lipids and HDL

Status	Fasting			
Cholesterol	4.4	mmol/L	(	<5.5)
Triglycerides	0.5	mmol/L	(	<2.0)
HDL Cholesterol	1.7	mmol/L	(	>1.2)
LDL Cholesterol	2.5	mmol/L	(	<3.0)
Non-HDL Cholesterol	2.7	mmol/L	(	<4.0)

Comment on Lab ID 851047590

Please note that the above reference limits are decision limits.
A flag based on these limits is an indication to review the absolute
cardiovascular risk for the patient. For assessment of absolute
cardiovascular disease risk please see www.cvdcheck.org.au

The above decision limits are based on the European Atherosclerosis Society

(EAS) and European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) Consensus Statement 2016 and the Australasian Association of Clinical Biochemistry and Laboratory Medicine (AACB) Lipid Reporting Guideline 2018.

Lipid treatment targets for patients at high risk of cardiovascular disease:

Total cholesterol	<4.0 mmol/L
Triglyceride	<2.0 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)

High risk - Primary prevention Very high risk - Secondary prevention

Target values from the AACB Lipid Reporting Guideline 2018.

Please note that as there is a continuum of risk, benefits are obtained for any measured lipid components moving towards and beyond the various target levels.

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Glu(s), Lipids HDL(s), FBC(e), IgA(s), IgG(s), IgM(s)

Tests Pending : B12(s), Ferr(s), RU-Malb, Vit D(s), TSH(s), HbA1c Diag(e), IGG SUBCLASSES

Sample Pending :

ROMER TOTH, ESTHER
8/351 EDGECLIFF RD, EDGECLIFF. 2027
Phone: 0436284336
Birthdate: 06/07/1965 **Sex:** F **Medicare Number:** 2612184177
Your Reference: 04B101DBB5 **Lab Reference:** 851047590-H- _HAEM VIRTUAL
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR CHARLES ELLIS **Referred by:** DR CHARLES ELLIS

Name of Test: Haematology
Requested: 23/03/2024 **Collected:** 25/03/2024 **Reported:** 25/03/2024
15:45

Clinical notes: check-up, ?immunodef. Fasting.

Clinical Notes : check-up, ?immunodef. Fasting.

HAEMATOLOGY

Date	20/08/19	05/01/22	25/03/24		
Time F-Fast	1012	1607	0859 F		
Lab ID	295121613	864196907	851047590	Units	Reference
Haemoglobin	133	125	123	g/L	(119-160)
RCC	4.1	3.9	3.9	x10 ¹² /L	(3.8-5.8)
Haematocrit (0.35-0.48)	0.40	0.37	0.38		
MCV	96	95	97	fL	(80-100)
MCH (27.0-32.0)	H 32.1	H 32.1	31.8	pg	
MCHC	336	338	327	g/L	(310-360)
RDW	11.3	11.3	11.9		

(10.0-15.0)

WCC	L 3.8	5.5	L 3.7	x10*9/L	(4.0-11.0)
Neutrophils	L 1.70	3.00	L 1.90	x10*9/L	(2.0-7.5)
Lymphocytes	1.71	2.13	1.47	x10*9/L	(1.0-4.0)
Monocytes	0.30	0.33	0.23	x10*9/L	(0.0-1.0)
Eosinophils	0.03	0.03	0.03	x10*9/L	(0.0-0.5)
Basophils	0.03	0.02	0.03	x10*9/L	(0.0-0.3)
NRBC	<1.0	<1.0	<1.0	/100 WBC	(<1)
Platelets	257	255	243	x10*9/L	(150-450)
ESR	3			mm/h	(1-32)

Comments on Collection 25/03/24 0859 F:

Mild neutropenia.

Drug effect, viral illness or an autoimmune disorder are possible causes.

NATA Accreditation No 2178

Tests Completed: LFT(s),C(s),UCreat(s),E(s),Glu(s),Lipids HDL(s),
FBC(e),IgA(s),IgG(s),IgM(s)

Tests Pending : B12(s),Ferr(s),RU-Malb,Vit D(s),TSH(s),
HbA1c Diag(e),IGG SUBCLASSES

Sample Pending :

ROMER TOTH, ESTHER

8/351 EDGECLIFF RD, EDGECLIFF. 2027

Phone: 0436284336

Birthdate: 06/07/1965 Sex: F Medicare Number: 2612184177

Your Reference: 04B101DBB5 Lab Reference:

851047590-I-Immunoglobulins

Laboratory: Douglass Hanly Moir Pathology eOrder

Addressee: DR CHARLES ELLIS Referred by: DR CHARLES ELLIS

Name of Test: Immunoglobulins

Requested: 23/03/2024 Collected: 25/03/2024 Reported: 25/03/2024
15:45

Clinical notes: check-up, ?immunodef. Fasting.

Clinical Notes : check-up, ?immunodef. Fasting.

Immunoglobulins

Immunoglobulin G	8.01	g/L	(6.20 - 14.40)
Immunoglobulin A	1.35	g/L	(0.60 - 3.96)
Immunoglobulin M	1.11	g/L	(0.48 - 3.04)

Comment on Lab ID 851047590

NATA Accreditation No 2178

Tests Completed: LFT(s),C(s),UCreat(s),E(s),Glu(s),Lipids HDL(s),
FBC(e),IgA(s),IgG(s),IgM(s)

Tests Pending : B12(s),Ferr(s),RU-Malb,Vit D(s),TSH(s),
HbA1c Diag(e),IGG SUBCLASSES

Sample Pending :

ROMER TOTH, ESTHER
8/351 EDGECLIFF RD, EDGECLIFF. 2027
Phone: 0436284336
Birthdate: 06/07/1965 **Sex:** F **Medicare Number:** 2612184177
Your Reference: 04B101DBB5 **Lab Reference:** 851047590-C-Iron Studies
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR CHARLES ELLIS **Referred by:** DR CHARLES ELLIS

Name of Test: Iron Studies
Requested: 23/03/2024 **Collected:** 25/03/2024 **Reported:** 25/03/2024
16:45

Clinical notes: check-up, ?immunodef. Fasting.

Clinical Notes : check-up, ?immunodef. Fasting.

IRON

Date	05/01/22	25/03/24		
Time F-Fast	1607	0859 F		
Lab ID	864196907	851047590	Units	Reference
Iron	14.9		umol/L	(5.0-30.0)
Transferrin	2.3		g/L	(2.0-3.2)
TIBC (Calc)	52		umol/L	(46-70)
Saturation	29		%	(10-45)
Ferritin	118	93	ug/L	(30-300)

NATA Accreditation No 2178

Tests Completed: B12(s), LFT(s), C(s), UCreat(s), E(s), Glu(s),
Lipids HDL(s), Ferr(s), Vit D(s), TSH(s), FBC(e), IgA(s),
IgG(s), IgM(s)
Tests Pending : RU-Malb, Active B12(s), HbA1c Diag(e), IGG SUBCLASSES
Sample Pending :

ROMER TOTH, ESTHER
8/351 EDGECLIFF RD, EDGECLIFF. 2027
Phone: 0436284336
Birthdate: 06/07/1965 **Sex:** F **Medicare Number:** 2612184177
Your Reference: 04B101DBB5 **Lab Reference:** 851047590-C-VITD
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR CHARLES ELLIS **Referred by:** DR CHARLES ELLIS

Name of Test: Vit D(s)
Requested: 23/03/2024 **Collected:** 25/03/2024 **Reported:** 25/03/2024
16:45

Clinical notes: check-up, ?immunodef. Fasting.

Clinical Notes : check-up, ?immunodef. Fasting.

Date	20/08/19	05/01/22	25/03/24		
Time F-Fast	1012	1607	0859 F		
Lab ID	295121613	864196907	851047590	Units	Reference
Vitamin D	92	95	104	nmol/L	(50-140)

Comments on Collection 25/03/24 0859 F:
According to the Position Statement 'Vitamin D and health in adults in Australia and New Zealand' MJA, 196(11):686-687, 2012, Vitamin D status is defined as:

Mild Deficiency	30	-	49 nmol/L
Moderate Deficiency	12.5	-	29 nmol/L
Severe Deficiency	<12.5		nmol/L

Vitamin D adequacy can be defined as a level >49 nmol/L at the end of winter - the level may need to be 10 - 20 nmol/L higher at the end of summer, to allow for seasonal decrease.
From 1st November 2014, Medicare rebates for vitamin D testing will apply to patients at risk of Vitamin D deficiency such as chronic lack of sun exposure.

NATA Accreditation No 2178

Tests Completed: B12(s), LFT(s), C(s), UCreat(s), E(s), Glu(s),
Lipids HDL(s), Ferr(s), Vit D(s), TSH(s), FBC(e), IgA(s),
IgG(s), IgM(s)

Tests Pending : RU-Malb, Active B12(s), HbA1c Diag(e), IGG SUBCLASSES
Sample Pending :

ROMER TOTH, ESTHER
8/351 EDGECLIFF RD, EDGECLIFF. 2027
Phone: 0436284336
Birthdate: 06/07/1965 **Sex:** F **Medicare Number:** 2612184177
Your Reference: 04B101DBB5 **Lab Reference:** 851047590-E-Thyroid

Function

Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR CHARLES ELLIS **Referred by:** DR CHARLES ELLIS

Name of Test: Thyroid Function
Requested: 23/03/2024 **Collected:** 25/03/2024 **Reported:** 25/03/2024
16:45

Clinical notes: check-up, ?immunodef. Fasting.

Clinical Notes : check-up, ?immunodef. Fasting.

TFT

Date	20/08/19	05/01/22	25/03/24		
Time F-Fast	1012	1607	0859 F		
Lab ID	295121613	864196907	851047590	Units	Reference
TSH	0.95	1.00	1.24	mIU/L	
(0.40-4.00)					
Free T4	9.8			pmol/L	(9.0-19.0)
Free T3	4.4			pmol/L	(2.6-6.0)

NATA Accreditation No 2178

Tests Completed: B12(s), LFT(s), C(s), UCreat(s), E(s), Glu(s),
Lipids HDL(s), Ferr(s), Vit D(s), TSH(s), FBC(e), IgA(s),
IgG(s), IgM(s)

Tests Pending : RU-Malb, Active B12(s), HbA1c Diag(e), IGG SUBCLASSES

Sample Pending :

ROMER TOTH, ESTHER
8/351 EDGECLIFF RD, EDGECLIFF. 2027
Phone: 0436284336
Birthdate: 06/07/1965 **Sex:** F **Medicare Number:** 2612184177
Your Reference: 04B101DBB5 **Lab Reference:** 851047590-E-Vitamin
B12/Folate
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR CHARLES ELLIS **Referred by:** DR CHARLES ELLIS

Name of Test: B12/Folate/RCF
Requested: 23/03/2024 **Collected:** 25/03/2024 **Reported:** 25/03/2024
17:15

Clinical notes: check-up, ?immunodef. Fasting.

Clinical Notes : check-up, ?immunodef. Fasting.

VIT B12 & FOLATE

Date	20/08/19	05/01/22	25/03/24		
Time F-Fast	1012	1607	0859 F		
Lab ID	295121613	864196907	851047590	Units	Reference
Vitamin B12	251	276	206	pmol/L	(135-650)
Active B12	117	>128	81	pmol/L	(>35)
S.Fol (Abbott)	36.0	>45.3		nmol/L	(>7.0)

Comments on Collection 25/03/24 0859 F:
From 27 November 2023, active B12 (holotranscobalamin) testing will be performed on all patients with low or equivocal (at or below 400 pmol/L) total B12 results. Both tests are eligible for a Medicare rebate under these circumstances.

NATA Accreditation No 2178

Tests Completed: B12(s), LFT(s), C(s), UCreat(s), E(s), Glu(s),
Lipids HDL(s), Ferr(s), Vit D(s), TSH(s), Active B12(s),
FBC(e), IgA(s), IgG(s), IgM(s)
Tests Pending : RU-Malb, HbA1c Diag(e), IGG SUBCLASSES
Sample Pending :

ROMER TOTH, ESTHER
8/351 EDGECLIFF RD, EDGECLIFF. 2027
Phone: 0436284336
Birthdate: 06/07/1965 **Sex:** F **Medicare Number:** 2612184177
Your Reference: 04B101DBB5 **Lab Reference:** 851047590-C-GHB
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR CHARLES ELLIS **Referred by:** DR CHARLES ELLIS

Name of Test: HbA1c
Requested: 23/03/2024 **Collected:** 25/03/2024 **Reported:** 25/03/2024
17:45

Clinical notes: check-up, ?immunodef. Fasting.

Clinical Notes : check-up, ?immunodef. Fasting.

HbA1c

Date	05/01/22	25/03/24		
Time F-Fast	1607	0859 F		
Lab ID	864196907	851047590	Units	Reference
HbA1c (IFCC)	34	36	mmol/mol	(20-38)
HbA1c (NGSP)	5.2	5.4	%	(4.0-5.6)

Comments on Collection 25/03/24 0859 F:
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 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.

NATA Accreditation No 2178

Tests Completed: B12(s), LFT(s), C(s), UCreat(s), E(s), Glu(s),
Lipids HDL(s), Ferr(s), Vit D(s), TSH(s), Active B12(s),
HbA1c Diag(e), FBC(e), IgA(s), IgG(s), IgM(s)

Tests Pending : RU-Malb, IGG SUBCLASSES

Sample Pending :

ROMER TOTH, ESTHER

8/351 EDGECLIFF RD, EDGECLIFF. 2027

Phone: 0436284336

Birthdate: 06/07/1965 **Sex:** F **Medicare Number:** 2612184177

Your Reference: 04B101DBB5 **Lab Reference:** 851047590-C-MALBUR

Laboratory: Douglass Hanly Moir Pathology eOrder

Addressee: DR CHARLES ELLIS **Referred by:** DR CHARLES ELLIS

Name of Test: RU-Malb

Requested: 23/03/2024 **Collected:** 25/03/2024 **Reported:** 25/03/2024
19:45

Clinical notes: check-up, ?immunodef. Fasting.

Clinical Notes : check-up, ?immunodef. Fasting.

Microalbumin, Random Urine

U-Creatinine	14.5	mmol/L	
R U-Albumin	7.2	mg/L	
R U-Albumin/Creat	0.5	mg/mmol	(<3.5)

NATA Accreditation No 2178

Tests Completed: B12(s), LFT(s), C(s), UCreat(s), E(s), Glu(s),
Lipids HDL(s), Ferr(s), RU-Malb, Vit D(s), TSH(s),

Active B12(s), HbA1c Diag(e), FBC(e), IgA(s), IgG(s), IgM(s)
Tests Pending : IGG SUBCLASSES
Sample Pending :

ROMER TOTH, ESTHER
8/351 EDGECLIFF RD, EDGECLIFF. 2027
Phone: 0436284336
Birthdate: 06/07/1965 **Sex:** F **Medicare Number:** 2612184177
Your Reference: 04B101DBB5 **Lab Reference:** 851047590-I-I366
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR CHARLES ELLIS **Referred by:** DR CHARLES ELLIS

Name of Test: IGG SUBCLASSES
Requested: 23/03/2024 **Collected:** 25/03/2024 **Reported:** 26/03/2024
12:45

Clinical notes: check-up, ?immunodef. Fasting.

Clinical Notes : check-up, ?immunodef. Fasting.

IgG Subclasses

Immunoglobulin G	8.01	g/L	(6.20 - 14.40)
Immunoglobulin G1 (IgG1)	4.42	g/L	(3.82 - 9.29)
Immunoglobulin G2 (IgG2)	3.03	g/L	(2.42 - 7.00)
Immunoglobulin G3 (IgG3)	0.289	g/L	(0.218 - 1.761)
Immunoglobulin G4 (IgG4)	0.273	g/L	(0.039 - 0.864)

Comment on Lab ID 851047590

NATA Accreditation No 2178

Tests Completed: B12(s), LFT(s), C(s), UCreat(s), E(s), Glu(s),
Lipids HDL(s), Ferr(s), RU-Malb, Vit D(s), TSH(s),
Active B12(s), HbA1c Diag(e), FBC(e), IgA(s), IgG(s),
IgM(s), IGG SUBCLASSES
Tests Pending :
Sample Pending :