

ROBINSON, SAMANTHA
 15 PANORAMA CRESCENT, MOUNT RIVERVIEW. 2774
 Phone: 0425256859
 Birthdate: 26/06/1978 Sex: F Medicare Number: 2532434878
 Your Reference: 00268795 Lab Reference: 837336976-H-_HAEM VIRTUAL
 Laboratory: Douglass Hanly Moir Pathology eOrder
 Addressee: DR AHMED ABOUELELA Referred by: DR AHMED ABOUELELA

Name of Test: Haematology
 Requested: 24/06/2024 Collected: 29/06/2024 Reported: 29/06/2024 16:49

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

HAEMATOLOGY

Date	24/02/20	03/04/23	28/07/23	29/06/24		
Time F-Fast	1214	1029 F	1414	0925 F		
Lab ID	842373380	886637784	887183116	837336976	Units	Reference
Haemoglobin	136	138	126	137	g/L	(119-160)
RCC	4.3	4.6	4.2	4.5	x10 ¹² /L	(3.8-5.8)
Haematocrit	0.39	0.43	0.38	0.40		(0.35-0.48)
MCV	91	94	90	88	fL	(80-100)
MCH	31.3	30.3	30.2	30.6	pg	(27.0-32.0)
MCHC	345	322	336	347	g/L	(310-360)
RDW	11.9	12.0	12.0	12.1		(10.0-15.0)
WCC	L 3.9	L 3.4	6.2	4.0	x10 ⁹ /L	(4.0-11.0)
Neutrophils	2.34	L 1.61	4.04	2.20	x10 ⁹ /L	(2.0-7.5)
Lymphocytes	1.31	1.56	1.78	1.52	x10 ⁹ /L	(1.0-4.0)
Monocytes	0.16	0.21	0.32	0.21	x10 ⁹ /L	(0.0-1.0)
Eosinophils	0.04	0.04	0.05	0.06	x10 ⁹ /L	(0.0-0.5)
Basophils	0.03	0.02	0.02	0.03	x10 ⁹ /L	(0.0-0.3)
NRBC	<1.0	<1.0	<1.0	<1.0	/100 WBC	(<1)
Platelets	196	215	213	237	x10 ⁹ /L	(150-450)
ESR				1	mm/h	(1-28)

Comments on Collection 29/06/24 0925 F:
 Full blood count is within reference limits

NATA Accreditation No 2178

Tests Completed: FBC(e), ESR(e)

Tests Pending : B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), UA(s),
 Iron(s), Ca(s), Vit D(s), TSH(s), HbA1c Diag(e)

Sample Pending :

ROBINSON, SAMANTHA
 15 PANORAMA CRESCENT, MOUNT RIVERVIEW. 2774
 Phone: 0425256059
 Birthdate: 26/06/1978 Sex: F Medicare Number: 2532434078
 Your Reference: 00268795 Lab Reference: 837336976-C-Biochemistry
 Laboratory: Douglass Hanly Moir Pathology eOrder
 Addressee: DR AHMED ABOUELELA Referred by: DR AHMED ABOUELELA

Name of Test: Biochemistry
 Requested: 24/06/2024 Collected: 29/06/2024 Reported: 30/06/2024 03:19

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

BIOCHEMISTRY

Date	28/03/13	03/06/19	03/04/23	29/06/24		
Time F-Fast	0635	0950 F	1029 F	0925 F		
Lab ID	239256178	296745943	886637784	837336976	Units	Reference
Sodium	L 133	141	137	139	mmol/L	(135-145)
Potassium	4.7	4.0	4.7	4.4	mmol/L	(3.5-5.5)
Chloride	105	103	104	105	mmol/L	(95-110)
Bicarbonate	25	28	24	27	mmol/L	(20-32)
Urea	3.7	3.7	5.0	4.3	mmol/L	(2.5-7.0)
Creatinine	50	60	55	50	umol/L	(45-85)
eGFR	>90	>90	>90	>90	mL/min/1.73m2	(>59)
Urate		0.19	0.21	0.20	mmol/L	(0.15-0.40)
Calcium		2.39	2.37	2.27	mmol/L	(2.15-2.55)
Corr Calcium		2.39	2.35	2.33	mmol/L	(2.15-2.55)
Bili.Total	4	10	11	13	umol/L	(3-15)
ALP	72	26	28	27	U/L	(20-105)
GGT	15	20	23	21	U/L	(5-35)
LD	134	131	197	183	U/L	(120-250)
AST	32	15	20	20	U/L	(10-35)
ALT	11	16	20	20	U/L	(5-30)
Total Protein	L 35	L 67	70	L 64	g/L	(68-85)
Albumin	L 20	43	44	40	g/L	(37-48)
Globulin	L 15	24	26	24	g/L	(23-39)

Comments on Collection 29/06/24 0925 F:
 eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), UA(s),
 Iron(s), Ca(s), Vit D(s), TSH(s), HbA1c Diag(e), FBC(e), ESR(e)

Tests Pending :

Sample Pending :

ROBINSON, SAMANTHA
 15 PANORAMA CRESCENT, MOUNT RIVERVIEW. 2774
 Phone: 0425256059
 Birthdate: 26/06/1978 Sex: F Medicare Number: 2532434078
 Your Reference: 00268795 Lab Reference: 837336976-C-Iron Studies
 Laboratory: Douglass Hanly Moir Pathology eOrder
 Addressee: DR AHMED ABOUELELA Referred by: DR AHMED ABOUELELA

Name of Test: Iron Studies
 Requested: 24/06/2024 Collected: 29/06/2024 Reported: 30/06/2024 03:19

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

IRON

Date	17/04/09	03/04/23	28/07/23	29/06/24		
Time F-Fast	1010	1029 F	1414	0925 F		
Lab ID	99890233	886637784	887183116	837336976	Units	Reference
Iron	24.6	22.0	22.4	22.0	umol/L	(5.0-30.0)
Transferrin	2.9	2.5	2.3	2.2	g/L	(2.0-3.6)
TIBC (Calc)	64	56	52	50	umol/L	(46-77)
Saturation	38	39	43	44	%	(10-45)
Ferritin	L 13	15	23	29	ug/L	(15-200)

Comments on Collection 29/06/24 0925 F:
 Serum ferritin levels between 15-30 ug/L may reflect depleted iron stores
 and iron therapy may be indicated.

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), UA(s),
 Iron(s), Ca(s), Vit D(s), TSH(s), HbA1c Diag(e), FBC(e), ESR(e)
 Tests Pending :
 Sample Pending :

ROBINSON, SAMANTHA
15 PANORAMA CRESCENT, MOUNT RIVERVIEW. 2774
Phone: 0425256059
Birthdate: 26/06/1978 Sex: F Medicare Number: 2532434078
Your Reference: 00268795 Lab Reference: 837336976-E-Vitamin B12/Folate
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR AHMED ABOUELELA Referred by: DR AHMED ABOUELELA

Name of Test: B12/Folate/RCF
Requested: 24/06/2024 Collected: 29/06/2024 Reported: 30/06/2024 03:19

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

Vitamin B12 and Folate

Vitamin B12	405	pmol/L	(135 - 650)
Serum Folate	33.2	nmol/L	(>7.0)

Comment on Lab ID 837336976

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),Fol(s),LFT(s),C(s),UCreat(s),E(s),UA(s),
Iron(s),Ca(s),Vit D(s),TSH(s), HbA1c Diag(e),FBC(e),ESR(e)
Tests Pending :
Sample Pending :

ROBINSON, SAMANTHA
15 PANORAMA CRESCENT, MOUNT RIVERVIEW. 2774
Phone: 0425256059
Birthdate: 26/06/1978 Sex: F Medicare Number: 2532434078
Your Reference: 00268795 Lab Reference: 837336976-E-Thyroid Function
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR AHMED ABOUELELA Referred by: DR AHMED ABOUELELA

Name of Test: Thyroid Function
Requested: 24/06/2024 Collected: 29/06/2024 Reported: 30/06/2024 03:19

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

TFT

Date	03/06/19	03/04/23	29/06/24		
Time F-Fast	0950 F	1029 F	0925 F		
Lab ID	296745943	886637784	837336976	Units	Reference
TSH	1.09	1.16	0.84	mIU/L	(0.40-3.50)

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), UA(s),
Iron(s), Ca(s), Vit D(s), TSH(s), HbA1c Diag(e), FBC(e), ESR(e)

Tests Pending :

Sample Pending :

ROBINSON, SAMANTHA
15 PANORAMA CRESCENT, MOUNT RIVERVIEW. 2774
Phone: 0425256059
Birthdate: 26/06/1978 Sex: F Medicare Number: 2532434078
Your Reference: 00268795 Lab Reference: 837336976-C-VITD
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR AHMED ABOUELELA Referred by: DR AHMED ABOUELELA

Name of Test: Vit D(s)
Requested: 24/06/2024 Collected: 29/06/2024 Reported: 30/06/2024
03:19

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

25-OH Vitamin D

Vitamin D L 40 nmol/L (50 - 140)

Comment on Lab ID 837336976

Consistent with mild Vitamin D deficiency.
Due to the prolonged half-life of 25-OH Vitamin D, reassessment of Vitamin D status should not be undertaken until at least 3 to 4 months after implementing supplementation or changing the dose of replacement therapy. 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), Fol(s), LFT(s), C(s), UCreat(s), E(s), UA(s),
Iron(s), Ca(s), Vit D(s), TSH(s), HbA1c Diag(e), FBC(e), ESR(e)
Tests Pending :
Sample Pending :

ROBINSON, SAMANTHA
15 PANORAMA CRESCENT, MOUNT RIVERVIEW. 2774
Phone: 0425256859
Birthdate: 26/06/1978 Sex: F Medicare Number: 2532434078
Your Reference: 00268795 Lab Reference: 837336976-C-GHB
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR AHMED ABOUELELA Referred by: DR AHMED ABOUELELA

Name of Test: HbA1c
Requested: 24/06/2024 Collected: 29/06/2024 Reported: 30/06/2024 03:19

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

Haemoglobin A1c

HbA1c (IFCC)	32	mmol/mol	(20 - 38)
HbA1c (NGSP)	5.1	%	(4.0 - 5.6)

Comment on Lab ID 837336976

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.

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), UA(s),
Iron(s), Ca(s), Vit D(s), TSH(s), HbA1c Diag(e), FBC(e), ESR(e)

Tests Pending :

Sample Pending :