

ALAMYAR, FIONA
 1/109 WINGEWARRA STREET, DUBBO. 2830
 Phone: 0411413945
 Birthdate: 06/03/1995 Sex: F Medicare Number: 2771079782
 Your Reference: E2AF9AD6DF Lab Reference: 836676523-H-H902
 Laboratory: bsp
 Addressee: DR FOUAD KHOURY Referred by: DR FOUAD KHOURY

Name of Test: Haematology
 Requested: 22/08/2023 Collected: 24/08/2023 Reported: 24/08/2023
 10:02

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

HAEMATOLOGY

Date	18/03/21	28/02/22	24/08/23		
Time F-Fast	Unkn	0918 F	0850 F		
Lab ID	860885745	863455431	836676523	Units	Reference
Haemoglobin	121	134	129	g/L	(119-160)
RCC		4.6	4.4	x10 ¹² /L	(3.8-5.8)
Haematocrit (0.35-0.48)		0.40	0.37		
MCV		87	84	fL	(80-100)
MCH (27.0-32.0)		29.3	29.1	pg	
MCHC		337	345	g/L	(310-360)
RDW (10.0-15.0)		12.7	12.4		
WCC		8.1	6.8	x10 ⁹ /L	(4.0-11.0)
Neutrophils		5.93	4.37	x10 ⁹ /L	(2.0-7.5)
Lymphocytes		1.36	1.69	x10 ⁹ /L	(1.0-4.0)
Monocytes		0.54	0.45	x10 ⁹ /L	(0.0-1.0)
Eosinophils		0.24	0.28	x10 ⁹ /L	(0.0-0.5)
Basophils		0.04	0.03	x10 ⁹ /L	(0.0-0.3)
NRBC		<1.0	<1.0	/100 WBC	(<1)
Platelets		298	304	x10 ⁹ /L	(150-450)

Comments on Collection 24/08/23 0850 F:
 Full blood count is within reference limits

NATA Accreditation No 2178

Tests Completed: FBC(e)
 Tests Pending : B12(s),Fol(s),C(s),UCreat(s),E(s),Glu(s),Iron(s),
 Lipids HDL(s),Vit D(s),TFT(s),Thyroid Abs(s),
 Thyroglobulin (s),Gliadin/TTG(s)
 Sample Pending :

ALAMYAR, FIONA
4/3 DENISON STREET, DUBBO. 2830
Phone: 0411413945
Birthdate: 06/03/1995 Sex: F Medicare Number: 2771079782
Your Reference: E2AF9AD6DF Lab Reference: 836676523-C-C141
Laboratory: bsp
Addressee: DR FOUAD KHOURY Referred by: DR FOUAD KHOURY

Name of Test: Biochemistry
Requested: 22/08/2023 Collected: 24/08/2023 Reported: 24/08/2023
11:02

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

BIOCHEMISTRY

Date	28/02/22	24/08/23		
Time F-Fast	0918 F	0850 F		
Lab ID	863455431	836676523	Units	Reference
Status	Fasting	Fasting		
Sodium	142	140	mmol/L	(135-145)
Potassium	4.0	4.3	mmol/L	(3.5-5.5)
Chloride	109	107	mmol/L	(95-110)
Bicarbonate	24	25	mmol/L	(20-32)
Urea	3.7	4.0	mmol/L	(2.5-6.5)
Creatinine	65	65	umol/L	(45-85)
eGFR	>90	>90	mL/min/1.73m2	(>59)
Cholesterol	4.4	4.9	mmol/L	(<5.5)
Triglycerides	0.5	0.4	mmol/L	(<2.0)

Comments on Collection 24/08/23 0850 F:
eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

NATA Accreditation No 2178

Tests Completed: C(s), UCreat(s), E(s), Glu(s), Lipids HDL(s), FBC(e)
Tests Pending : B12(s), Fol(s), Iron(s), Vit D(s), TFT(s), Thyroid Abs(s),
Thyroglobulin (s), Gliadin/TTG(s)
Sample Pending :

ALAMYAR, FIONA
4/3 DENISON STREET, DUBBO. 2830
Phone: 0411413945
Birthdate: 06/03/1995 Sex: F Medicare Number: 2771079782
Your Reference: E2AF9AD6DF Lab Reference: 836676523-C-C924
Laboratory: bsp
Addressee: DR FOUAD KHOURY Referred by: DR FOUAD KHOURY

Name of Test: Glucose
Requested: 22/08/2023 Collected: 24/08/2023 Reported: 24/08/2023
11:02

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

GLUCOSE

Date	28/02/22	24/08/23		
Time F-Fast	0918 F	0850 F		
Lab ID	863455431	836676523	Units	Reference
F Gluc Serum	5.2	4.3	mmol/L	(3.6-6.0)

Comments on Collection 24/08/23 0850 F:
Diabetes is unlikely if fasting glucose levels are less than 5.5 mmol/L but an OGTT could be indicated in the presence of risk factors such as metabolic syndrome, past gestational diabetes, polycystic ovary or family history of type 2 diabetes.

NATA Accreditation No 2178

Tests Completed: C(s),UCreat(s),E(s),Glu(s),Lipids HDL(s),FBC(e)
Tests Pending : B12(s),Fol(s),Iron(s),Vit D(s),TFT(s),Thyroid Abs(s),
Thyroglobulin (s),Gliadin/TTG(s)
Sample Pending :

ALAMYAR, FIONA
4/3 DENISON STREET, DUBBO. 2830
Phone: 0411413945
Birthdate: 06/03/1995 Sex: F Medicare Number: 2771079782
Your Reference: E2AF9AD6DF Lab Reference: 836676523-C-C205
Laboratory: bsp
Addressee: DR FOUAD KHOURY Referred by: DR FOUAD KHOURY

Name of Test: Lipids HDL(s)
Requested: 22/08/2023 Collected: 24/08/2023 Reported: 24/08/2023
11:02

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

Date	28/02/22	24/08/23		
Time F-Fast	0918 F	0850 F	Units	Reference
Lab ID	863455431	836676523		
Status	Fasting	Fasting		
Cholesterol	4.4	4.9	mmol/L	(<5.5)
Triglycerides	0.5	0.4	mmol/L	(<2.0)
HDL Chol.	1.5	1.4	mmol/L	(>1.2)
LDL Chol.	2.7	H 3.3	mmol/L	(<3.0)
Non-HDL Chol.		3.5	mmol/L	(<4.0)

Comments on Collection 24/08/23 0850 F:
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: C(s),UCreat(s),E(s),Glu(s),Lipids HDL(s),FBC(e)

Tests Pending : B12(s),Fol(s),Iron(s),Vit D(s),TFT(s),Thyroid Abs(s),
Thyroglobulin (s),Gliadin/TTG(s)

Sample Pending :

ALAMYAR, FIONA
4/3 DENISON STREET, DUBBO. 2830
Phone: 0411413945
Birthdate: 06/03/1995 Sex: F Medicare Number: 2771079782
Your Reference: E2AF9AD6DF Lab Reference: 836676523-E-H246
Laboratory: bsp
Addressee: DR FOUAD KHOURY Referred by: DR FOUAD KHOURY

Name of Test: B12/Folate/RCF
Requested: 22/08/2023 Collected: 24/08/2023 Reported: 25/08/2023
03:04

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

VIT B12 & FOLATE

Date	28/02/22	24/08/23		
Time F-Fast	0918 F	0850 F		
Lab ID	863455431	836676523	Units	Reference
Vitamin B12	209	613	pmol/L	(135-650)
Active B12	50		pmol/L	(>35)
S.Fol (Abbott)	27.6	31.4	nmol/L	(>7.0)

Comments on Collection 24/08/23 0850 F:
From 8 March 2014, active B12 (holotranscobalamin) testing will be performed on all patients with low or equivocal (at or below 340 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), C(s), UCreat(s), E(s), Glu(s), Iron(s),
Lipids HDL(s), TFT(s), Thyroid Abs(s), FBC(e)
Tests Pending : Vit D(s), Thyroglobulin (s), Gliadin/TTG(s)
Sample Pending :

ALAMYAR, FIONA
4/3 DENISON STREET, DUBBO. 2830
Phone: 0411413945
Birthdate: 06/03/1995 Sex: F Medicare Number: 2771079782
Your Reference: E2AF9AD6DF Lab Reference: 836676523-C-C151
Laboratory: bsp
Addressee: DR FOUAD KHOURY Referred by: DR FOUAD KHOURY

Name of Test: Iron Studies
Requested: 22/08/2023 Collected: 24/08/2023 Reported: 25/08/2023
03:04

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

IRON

Date	28/02/22	24/08/23		
Time F-Fast	0918 F	0850 F		
Lab ID	863455431	836676523	Units	Reference
Iron	14.7	13.6	umol/L	(5.0-30.0)
Transferrin	2.1	2.1	g/L	(2.0-3.6)
TIBC (Calc)	48	48	umol/L	(46-77)
Saturation	31	28	%	(10-45)
Ferritin	70	73	ug/L	(15-200)

NATA Accreditation No 2178

Tests Completed: B12(s),Fol(s),C(s),UCreat(s),E(s),Glu(s),Iron(s),
Lipids HDL(s),TFT(s),Thyroid Abs(s),FBC(e)
Tests Pending : Vit D(s),Thyroglobulin (s),Gliadin/TTG(s)
Sample Pending :

ALAMYAR, FIONA
4/3 DENISON STREET, DUBBO. 2830
Phone: 0411413945
Birthdate: 06/03/1995 Sex: F Medicare Number: 2771079782
Your Reference: E2AF9AD6DF Lab Reference: 836676523-E-E031
Laboratory: bsp
Addressee: DR FOUAD KHOURY Referred by: DR FOUAD KHOURY

Name of Test: Thyroid Function
Requested: 22/08/2023 Collected: 24/08/2023 Reported: 25/08/2023
03:04

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

TFT

Date	28/02/22	27/05/22	24/08/23		
Time F-Fast	0918 F	0805 F	0850 F		
Lab ID	863455431	881288775	836676523	Units	Reference
TSH	0.56	2.13	0.98	mIU/L	
(0.40-3.50)					
Free T4		13.5		pmol/L	(9.0-19.0)
Free T3		4.9		pmol/L	(2.6-6.0)

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), C(s), UCreat(s), E(s), Glu(s), Iron(s),
Lipids HDL(s), TFT(s), Thyroid Abs(s), FBC(e)
Tests Pending : Vit D(s), Thyroglobulin (s), Gliadin/TTG(s)
Sample Pending :

ALAMYAR, FIONA
4/3 DENISON STREET, DUBBO. 2830
Phone: 0411413945
Birthdate: 06/03/1995 Sex: F Medicare Number: 2771079782
Your Reference: E2AF9AD6DF Lab Reference: 836676523-C-E613
Laboratory: bsp
Addressee: DR FOUAD KHOURY Referred by: DR FOUAD KHOURY

Name of Test: Tg &/or Thy Ab (s)
Requested: 22/08/2023 Collected: 24/08/2023 Reported: 25/08/2023
08:02

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

Thyroglobulin and/or Thyroid Antibodies

Date	28/02/22	27/05/22	24/08/23		
Time F-Fast	0918 F	0805 F	0850 F		
Lab ID	863455431	881288775	836676523	Units	Reference
Tg (Abbott)			4.3	ug/L	(<65)
Anti-Tg (Abbott)	H 30.1		H 37.6	IU/mL	(<4.1)
Anti-TPO (Abbott)	H 9.4		H 54.7	IU/mL	(<5.6)

Comments on Collection 24/08/23 0850 F:
High levels of thyroglobulin and thyroid peroxidase antibodies occur in Hashimoto's disease. Lower levels can occur in clinically normal persons and with other thyroid disorders.

Thyroglobulin autoantibodies present in this patient's serum may cause interference in the estimation of thyroglobulin.
Please note that from 27/01/2022, Thyroglobulin measurement changed from the Siemens Immulite to the Abbott Architect method.

Please also note that:

- the upper reference limit has changed to <65 ug/L.
- the new assay is more sensitive with a lower limit of reporting of <0.1 ug/L (Abbott method) compared to <0.9 ug/L (Siemens method).
- measured values with the Abbott method are approximately 70% of those using the Immulite method on the same serum specimen so that results obtained using the two methods are not directly comparable.

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), C(s), UCreat(s), E(s), Glu(s), Iron(s),
Lipids HDL(s), TFT(s), Thyroid Abs(s),
Thyroglobulin (s), FBC(e)
Tests Pending : Vit D(s), Gliadin/TTG(s)
Sample Pending :

ALAMYAR, FIONA
4/3 DENISON STREET, DUBBO. 2830
Phone: 0411413945
Birthdate: 06/03/1995 Sex: F Medicare Number: 2771079782
Your Reference: E2AF9AD6DF Lab Reference: 836676523-C-C513
Laboratory: bsp
Addressee: DR FOUAD KHOURY Referred by: DR FOUAD KHOURY

Name of Test: Vit D(s)
Requested: 22/08/2023 Collected: 24/08/2023 Reported: 25/08/2023
08:32

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

Date	27/05/22	24/08/23		
Time F-Fast	0805 F	0850 F		
Lab ID	881288775	836676523	Units	Reference
Vitamin D	66	H 158	nmol/L	(50-140)

Comments on Collection 24/08/23 0850 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), Fol(s), C(s), UCreat(s), E(s), Glu(s), Iron(s),
Lipids HDL(s), Vit D(s), TFT(s), Thyroid Abs(s),
Thyroglobulin (s), FBC(e)
Tests Pending : Gliadin/TTG(s)
Sample Pending :

ALAMYAR, FIONA
4/3 DENISON STREET, DUBBO. 2830
Phone: 0411413945
Birthdate: 06/03/1995 Sex: F Medicare Number: 2771079782
Your Reference: E2AF9AD6DF Lab Reference: 836676523-I-I073
Laboratory: bsp
Addressee: DR FOUAD KHOURY Referred by: DR FOUAD KHOURY

Name of Test: Gliadin/TTG(s)
Requested: 22/08/2023 Collected: 24/08/2023 Reported: 25/08/2023
14:02

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

Coeliac Serology

Deamidated Gliadin IgA	8	U/mL	(	<15	)
Deamidated Gliadin IgG	6	U/mL	(	<15	)
Tissue Transglutaminase IgA	<1	U/mL	(	<15	)
Tissue Transglutaminase IgG	<1	U/mL	(	<15	)

Comment on Lab ID 836676523

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.

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), C(s), UCreat(s), E(s), Glu(s), Iron(s),
Lipids HDL(s), Vit D(s), TFT(s), Thyroid Abs(s),
Thyroglobulin (s), FBC(e), Gliadin/TTG(s)

Tests Pending :
Sample Pending :
