

MOTTL, TANYA JACQUELINE
 94 WOORARRA AVE, NORTH NARRABEEN. 2101
Phone: 0410293971
Birthdate: 04/01/1966 **Sex:** F **Medicare Number:** 2326099188
Your Reference: 27C3A5342C **Lab Reference:** 836112685-H- HAEM VIRTUAL
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR YU DENG **Referred by:** DR YU DENG

Name of Test: Haematology
Requested: 28/08/2023 **Collected:** 29/08/2023 **Reported:** 29/08/2023
 16:08

Clinical notes: tiredness

Clinical Notes : tiredness

HAEMATOLOGY

Date	25/05/22	02/09/22	09/12/22	29/08/23		
Time F-Fast	1121 F	0815 F	0945 F	0927 F		
Lab ID	847624657	882681864	884575518	836112685	Units	Reference
Haemoglobin	130	145	150	144	g/L	(119-160)
RCC	4.7	5.3	5.3	5.1	x10 ¹² /L	(3.8-5.8)
Haematocrit	0.40	0.45	0.46	0.43		
(0.35-0.48)						
MCV	85	86	87	85	fL	(80-100)
MCH	27.4	27.5	28.5	28.2	pg	
(27.0-32.0)						
MCHC	323	320	326	334	g/L	(310-360)
RDW	13.0	14.1	12.3	13.2		
(10.0-15.0)						
WCC	5.4	5.3	5.9	5.1	x10 ⁹ /L	(4.0-11.0)
Neutrophils	2.84	2.50	3.04	2.36	x10 ⁹ /L	(2.0-7.5)
Lymphocytes	2.01	2.13	2.19	2.17	x10 ⁹ /L	(1.0-4.0)
Monocytes	0.43	0.41	0.47	0.35	x10 ⁹ /L	(0.0-1.0)
Eosinophils	0.09	0.14	0.11	0.14	x10 ⁹ /L	(0.0-0.5)
Basophils	0.07	0.07	0.05	0.07	x10 ⁹ /L	(0.0-0.3)
NRBC	<1.0	<1.0	<1.0	<1.0	/100 WBC	(<1)
Platelets	247	252	254	274	x10 ⁹ /L	(150-450)
ESR		5			mm/h	(1-34)

Comments on Collection 29/08/23 0927 F:
 Full blood count is within reference limits

NATA Accreditation No 2178

Tests Completed: FBC(e)
 Tests Pending : Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(p), Iron(s),
 Lipids HDL(s), CK(s), CRP(s), Vit D(s), TFT(s),
 Active B12(s), HbA1c Diag(e)
 Sample Pending :

MOTTL, TANYA JACQUELINE
 94 WOORARRA AVE, NORTH NARRABEEN. 2101
Phone: 0410293971
Birthdate: 04/01/1966 **Sex:** F **Medicare Number:** 2326099188
Your Reference: 27C3A5342C **Lab Reference:** 836112685-E-Vitamin
 B12/Folate

Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR YU DENG **Referred by:** DR YU DENG

Name of Test: B12/Folate/RCF
Requested: 28/08/2023 **Collected:** 29/08/2023 **Reported:** 29/08/2023
18:08

Clinical notes: tiredness

Clinical Notes : tiredness

VIT B12 & FOLATE

Date	18/09/20	30/08/21	02/09/22	29/08/23		
Time F-Fast	0900 F	0829 F	0815 F	0927 F		
Lab ID	846774235	863771392	882681864	836112685	Units	Reference
Vitamin B12		213	270		pmol/L	(135-650)
Active B12	126	84	104	126	pmol/L	(>35)
S.Fol (Abbott)	27.4	35.2	27.3	36.4	nmol/L	(>7.0)

NATA Accreditation No 2178

Tests Completed: Fol(s),LFT(s),C(s),UCreat(s),E(s),Glu(p),Iron(s),
Lipids HDL(s),CK(s),CRP(s), TFT(s), Active B12(s),
HbA1c Diag(e),FBC(e)

Tests Pending : Vit D(s)

Sample Pending :

MOTTL, TANYA JACQUELINE
94 WOORARRA AVE, NORTH NARRABEEN. 2101
Phone: 0410293971
Birthdate: 04/01/1966 **Sex:** F **Medicare Number:** 2326099188
Your Reference: 27C3A5342C **Lab Reference:** 836112685-C-Iron Studies
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR YU DENG **Referred by:** DR YU DENG

Name of Test: Iron Studies
Requested: 28/08/2023 **Collected:** 29/08/2023 **Reported:** 29/08/2023
18:08

Clinical notes: tiredness

Clinical Notes : tiredness

IRON

Date	25/05/22	02/09/22	09/12/22	29/08/23		
Time F-Fast	1121 F	0815 F	0945 F	0927 F		
Lab ID	847624657	882681864	884575518	836112685	Units	Reference
Iron	10.7	12.6	17.7	17.8	umol/L	(5.0-30.0)
Transferrin	3.2	2.7	3.2	3.0	g/L	(2.0-3.2)
TIBC (Calc)	70	60	70	66	umol/L	(46-70)
Saturation	15	21	25	27	%	(10-45)
Ferritin	L 16	87	62	41	ug/L	(30-300)

NATA Accreditation No 2178

Tests Completed: Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(p), Iron(s),
Lipids HDL(s), CK(s), CRP(s), TFT(s), Active B12(s),
HbA1c Diag(e), FBC(e)

Tests Pending : Vit D(s)

Sample Pending :

MOTTL, TANYA JACQUELINE

94 WOORARRA AVE, NORTH NARRABEEN. 2101

Phone: 0410293971

Birthdate: 04/01/1966 Sex: F Medicare Number: 2326099188

Your Reference: 27C3A5342C Lab Reference: 836112685-E-Thyroid

Function

Laboratory: Douglass Hanly Moir Pathology eOrder

Addressee: DR YU DENG Referred by: DR YU DENG

Name of Test: Thyroid Function

Requested: 28/08/2023 Collected: 29/08/2023 Reported: 29/08/2023
18:08

Clinical notes: tiredness

Clinical Notes : tiredness

TFT

Date	30/08/21	29/11/21	02/09/22	29/08/23		
Time F-Fast	0829 F	1010	0815 F	0927 F		
Lab ID	863771392	847626320	882681864	836112685	Units	Reference
TSH	3.24	1.00	0.96	0.89	mIU/L	
(0.40-4.00)						
Free T4			14.3	14.8	pmol/L	(9.0-19.0)
Free T3			4.2		pmol/L	(2.6-6.0)

Comments on Collection 29/08/23 0927 F:

Euthyroid levels.

NATA Accreditation No 2178

Tests Completed: Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(p), Iron(s),
Lipids HDL(s), CK(s), CRP(s), TFT(s), Active B12(s),
HbA1c Diag(e), FBC(e)

Tests Pending : Vit D(s)

Sample Pending :

MOTTL, TANYA JACQUELINE

94 WOORARRA AVE, NORTH NARRABEEN. 2101

Phone: 0410293971

Birthdate: 04/01/1966 Sex: F Medicare Number: 2326099188

Your Reference: 27C3A5342C Lab Reference: 836112685-C-VITD

Laboratory: Douglass Hanly Moir Pathology eOrder

Addressee: DR YU DENG Referred by: DR YU DENG

Name of Test: Vit D(s)

Requested: 28/08/2023 Collected: 29/08/2023 Reported: 29/08/2023
18:38

Clinical notes: tiredness

Clinical Notes : tiredness

Date	30/08/21	29/11/21	02/09/22	29/08/23		
Time F-Fast	0829 F	1010	0815 F	0927 F		
Lab ID	861907582	847626320	882681864	836112685	Units	Reference
Vitamin D	L 42	108	63	68	nmol/L	(50-140)

Comments on Collection 29/08/23 0927 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: Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(p), Iron(s),
Lipids HDL(s), CK(s), CRP(s), Vit D(s), TFT(s),
Active B12(s), HbA1c Diag(e), FBC(e)

Tests Pending :
Sample Pending :

MOTTL, TANYA JACQUELINE
94 WOORARRA AVE, NORTH NARRABEEN. 2101
Phone: 0410293971
Birthdate: 04/01/1966 **Sex:** F **Medicare Number:** 2326099188
Your Reference: 27C3A5342C **Lab Reference:** 836112685-C-GHB
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR YU DENG **Referred by:** DR YU DENG

Name of Test: HbA1c
Requested: 28/08/2023 **Collected:** 29/08/2023 **Reported:** 29/08/2023
17:08

Clinical notes: tiredness

Clinical Notes : tiredness

HbA1c

Date	26/02/20	18/09/20	23/01/21	29/08/23		
Time F-Fast	0852 F	0900 F	0920 F	0927 F		
Lab ID	843250153	846774235	849037251	836112685	Units	Reference
HbA1c (IFCC)	36	34	35		mmol/mol	(20-38)
HbA1c	5.5	5.2	5.3		%	(4.0-5.6)

HbA1c (IFCC) 34 mmol/mol (20-38)
HbA1c (NGSP) 5.3 % (4.0-5.6)

Comments on Collection 29/08/23 0927 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: LFT(s), C(s), UCreat(s), E(s), Glu(p), Lipids HDL(s), CK(s), CRP(s), HbA1c Diag(e), FBC(e)
Tests Pending : Fol(s), Iron(s), Vit D(s), TFT(s), Active B12(s)
Sample Pending :

MOTTL, TANYA JACQUELINE
94 WOORARRA AVE, NORTH NARRABEEN. 2101
Phone: 0410293971
Birthdate: 04/01/1966 Sex: F Medicare Number: 2326099188
Your Reference: 27C3A5342C Lab Reference: 836112685-C-CRP
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR YU DENG Referred by: DR YU DENG

Name of Test: CRP(s)
Requested: 28/08/2023 Collected: 29/08/2023 Reported: 29/08/2023
17:08

Clinical notes: tiredness

Clinical Notes : tiredness

Date	20/03/22	02/09/22	09/12/22	29/08/23		
Time F-Fast	0730	0815 F	0945 F	0927 F		
Lab ID	867164353	882681864	884575518	836112685	Units	Reference
CRP	H 55.2	2.3	1.5	1.3	mg/L	(0.0-5.0)

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Glu(p), Lipids HDL(s), CK(s), CRP(s), HbA1c Diag(e), FBC(e)
Tests Pending : Fol(s), Iron(s), Vit D(s), TFT(s), Active B12(s)
Sample Pending :

MOTTL, TANYA JACQUELINE
94 WOORARRA AVE, NORTH NARRABEEN. 2101
Phone: 0410293971

Birthdate: 04/01/1966 **Sex:** F **Medicare Number:** 2326099188
Your Reference: 27C3A5342C **Lab Reference:** 836112685-C-HDL
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR YU DENG **Referred by:** DR YU DENG

Name of Test: Lipids HDL(s)
Requested: 28/08/2023 **Collected:** 29/08/2023 **Reported:** 29/08/2023 17:08

Clinical notes: tiredness

Clinical Notes : tiredness

Date	25/05/22	02/09/22	09/12/22	29/08/23		
Time F-Fast	1121 F	0815 F	0945 F	0927 F		
Lab ID	847624657	882681864	884575518	836112685	Units	Reference
Status	Fasting	Fasting	Fasting	Fasting		
Cholesterol	4.8	H 5.6	H 5.9	H 5.7	mmol/L	(<5.5)
Triglycerides	1.0	0.8	1.2	1.1	mmol/L	(<2.0)
HDL Chol.	1.7	1.8	1.9	1.8	mmol/L	(>1.2)
LDL Chol.	2.6	H 3.4	H 3.4	H 3.4	mmol/L	(<3.0)
Non-HDL Chol.		3.8	H 4.0	3.9	mmol/L	(<4.0)

Comments on Collection 29/08/23 0927 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: LFT(s), C(s), UCreat(s), E(s), Glu(p), Lipids HDL(s), CK(s), CRP(s), HbA1c Diag(e), FBC(e)
 Tests Pending : Fol(s), Iron(s), Vit D(s), TFT(s), Active B12(s)
 Sample Pending :

MOTTL, TANYA JACQUELINE
 94 WOORARRA AVE, NORTH NARRABEEN. 2101
Phone: 0410293971
Birthdate: 04/01/1966 **Sex:** F **Medicare Number:** 2326099188
Your Reference: 27C3A5342C **Lab Reference:** 836112685-C-_Glucose
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR YU DENG **Referred by:** DR YU DENG

Name of Test: _Glucose
Requested: 28/08/2023 **Collected:** 29/08/2023 **Reported:** 29/08/2023
 17:08

Clinical notes: tiredness

Clinical Notes : tiredness

GLUCOSE

Date	03/03/22	25/05/22	02/09/22	29/08/23		
Time F-Fast	1150	1121 F	0815 F	0927 F		
Lab ID	867595309	847624657	882681864	836112685	Units	Reference
F Gluc Plasma			4.4	4.4	mmol/L	(3.6-6.0)
R Gluc Plasma	4.3				mmol/L	(3.6-7.7)
F Gluc Serum		4.3			mmol/L	(3.6-6.0)

NATA Accreditation No 2178

Tests Completed: LFT(s),C(s),UCreat(s),E(s),Glu(p),Lipids HDL(s),
 CK(s),CRP(s), HbA1c Diag(e),FBC(e)
 Tests Pending : Fol(s),Iron(s),Vit D(s), TFT(s), Active B12(s)
 Sample Pending :

MOTTL, TANYA JACQUELINE
 94 WOORARRA AVE, NORTH NARRABEEN. 2101
Phone: 0410293971
Birthdate: 04/01/1966 **Sex:** F **Medicare Number:** 2326099188
Your Reference: 27C3A5342C **Lab Reference:** 836112685-C-Biochemistry
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR YU DENG **Referred by:** DR YU DENG

Name of Test: Biochemistry
Requested: 28/08/2023 **Collected:** 29/08/2023 **Reported:** 29/08/2023
 17:08

Clinical notes: tiredness

Clinical Notes : tiredness

BIOCHEMISTRY

Date	25/05/22	02/09/22	09/12/22	29/08/23		
Time F-Fast	1121 F	0815 F	0945 F	0927 F		
Lab ID	847624657	882681864	884575518	836112685	Units	Reference
Status	Fasting	Fasting	Fasting	Fasting		
Sodium	139	144		142	mmol/L	(135-145)
Potassium	4.3	5.1		4.8	mmol/L	(3.5-5.5)

Chloride	106	108		106	mmol/L	(95-110)
Bicarbonate	27	25		26	mmol/L	(20-32)
Urea	3.8	3.8		4.1	mmol/L	(3.0-8.0)
Creatinine	60	70		65	umol/L	(45-85)
eGFR	>90	85		88	mL/min/1.73m2	(>59)
Bili.Total	8	7		9	umol/L	(3-15)
ALP	71	68		77	U/L	(30-115)
GGT	23	20		21	U/L	(5-35)
LD	202	200		213	U/L	(120-250)
AST	22	25		31	U/L	(10-35)
ALT	16	23		27	U/L	(5-30)
Total Protein	64	68		67	g/L	(64-83)
Albumin	44	46	H 50	45	g/L	(36-47)
Globulin	L 20	L 22		L 22	g/L	(23-39)
Cholesterol	4.8	H 5.6	H 5.9	H 5.7	mmol/L	(<5.5)
Triglycerides	1.0	0.8	1.2	1.1	mmol/L	(<2.0)
CK				70	U/L	(30-150)

Comments on Collection 29/08/23 0927 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(p),Lipids HDL(s),
CK(s),CRP(s), HbA1c Diag(e),FBC(e)

Tests Pending : Fol(s),Iron(s),Vit D(s), TFT(s), Active B12(s)

Sample Pending :