

Investigations:

EMANOUEL, JASMINE
3 BEAUMONT DR, BEAUMONT HILLS. 2155
Phone: 0296297202
Birthdate: 12/11/1999 Sex: F Medicare Number: 2883558321
Your Reference: 00120566 Lab Reference: 24-96667663-FBE-0
Laboratory: Lavery Pathology
Addressee: DR MYRA TAN Referred by: DR MYRA TAN

Name of Test: HAEMATOLOGY (FBE-0)
Requested: 11/11/2024 Collected: 15/11/2024 Reported: 15/11/2024 17:38

HAEMATOLOGY					
Request Number	24579685	26596218	28432315	96667663	
Date Collected	18 Aug 23	22 Jan 24	15 Jul 24	15 Nov 24	
Time Collected	10:45	09:50	12:12	09:10	
Specimen Type: EDTA					
Hb (115-165) g/L	138	130	133	124	
Hct (0.34-0.47)	0.42	0.39	0.40	0.39	
RCC (3.9-5.8) x10^12 /L	4.7	4.3	4.4	4.2	
MCV (79-99) fL	90	90	91	92	
MCH (27-34) pg	30	30	30	29	
MCHC (320-360) g/L	330	334	331	321	
RDW (10.0-17.0) %	12.9	12.5	12.4	13.0	
WBC (4.0-11.0) x10^9 /L	5.3	5.2	9.3	5.3	
Neut (2.0-7.5) x10^9 /L	3.0	3.0	6.9	2.6	
Lymph (1.0-4.0) x10^9 /L	1.9	1.9	1.8	2.3	
Mono (0.2-1.0) x10^9 /L	0.3	0.2	0.6	0.2	
Eos (< 0.7) x10^9 /L	0.1	0.1	0.1	0.1	
Baso (< 0.2) x10^9 /L	0.1	0.1	0.0	0.1	
Plat (150-400) x10^9 /L	189	183	170	202	

HAEMATOLOGY: FBC parameters are within reference range.
Requested Tests : VBF*, TFT*, GLU*, MBA*, LIP*, FE*, FBE, DVI*

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Phone: 0296297202
Birthdate: 12/11/1999 Sex: F Medicare Number: 2883558321
Your Reference: 00120566 Lab Reference: 24-96667663-GLU-0
Laboratory: Lavery Pathology
Addressee: DR MYRA TAN Referred by: DR MYRA TAN

Name of Test: GLUCOSE (GLU-0)
Requested: 11/11/2024 Collected: 15/11/2024 Reported: 15/11/2024 17:51

SERUM/PLASMA GLUCOSE					
Request Number	26596218	26395988	28432315	96667663	
Date Collected	22 Jan 24	7 Mar 24	15 Jul 24	15 Nov 24	
Time Collected	09:50	17:37	12:12	09:10	
Fasting status	Fasting	Random	Random	Fasting	
Serum (3.4-5.4) mmol/L	4.4	4.6	4.2	4.3	

Normal glucose concentration.
Requested Tests : VBF*, TFT*, GLU, MBA*, LIP*, FE*, FBE, DVI*

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Birthdate: 12/11/1999 Sex: F Medicare Number: 2883558321
Your Reference: 00120566 Lab Reference: 24-96667663-TFT-0
Laboratory: Lavery Pathology
Addressee: DR MYRA TAN Referred by: DR MYRA TAN

Name of Test: THYROID FUNCTION TEST (TFT-0)
Requested: 11/11/2024 **Collected:** 15/11/2024 **Reported:** 15/11/2024 17:56

THYROID PROFILE

Request Number	22649121	26596218	28432315	96667663
Date Collected	17 Feb 23	22 Jan 24	15 Jul 24	15 Nov 24
Time Collected	00:00	09:50	12:12	09:10
Specimen Type: Serum				
TSH (0.5-4.0) mIU/L	1.4	1.5	1.9	1.3

Result(s) consistent with euthyroidism.

Please note the above reference intervals have been developed from a non-pregnant healthy general population study.

Requested Tests : VBF*, TFT, GLU, MBA*, LIP*, FE*, FBE, DVI*

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Phone: 0296297202
Birthdate: 12/11/1999 **Sex:** F **Medicare Number:** 2883558321
Your Reference: 00120566 **Lab Reference:** 24-96667663-FE-0
Laboratory: Laverty Pathology
Addressee: DR MYRA TAN **Referred by:** DR MYRA TAN

Name of Test: IRON STUDIES (FE-0)
Requested: 11/11/2024 **Collected:** 15/11/2024 **Reported:** 15/11/2024 18:00

IRON STUDIES

Request Number	26596218	26395988	28432315	96667663
Date Collected	22 Jan 24	7 Mar 24	15 Jul 24	15 Nov 24
Time Collected	09:50	17:37	12:12	09:10
Specimen Type: Serum				
Iron (10-30) umol/L		5		
T'ferrin(32-48) umol/L		29		
T. Sat. (13-45)		9		
Ferritin(30-165) ug/L	49	45	38	29

The mildly reduced ferritin concentration is suggestive of iron deficiency.

During the reproductive years, iron deficiency in women is usually due to multiparity or heavy menstrual losses. Investigation of the gastrointestinal tract for a source of blood loss may be indicated.

Requested Tests : VBF*, TFT, GLU, MBA*, LIP*, FE, FBE, DVI*

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Phone: 0296297202
Birthdate: 12/11/1999 **Sex:** F **Medicare Number:** 2883558321
Your Reference: 00120566 **Lab Reference:** 24-96667663-MBA-0
Laboratory: Laverty Pathology
Addressee: DR MYRA TAN **Referred by:** DR MYRA TAN

Name of Test: SERUM CHEMISTRY (MBA-0)
Requested: 11/11/2024 **Collected:** 15/11/2024 **Reported:** 15/11/2024 18:05

SERUM CHEMISTRY

Request Number	26596218	26395988	28432315	96667663
Date Collected	22 Jan 24	7 Mar 24	15 Jul 24	15 Nov 24
Time Collected	09:50	17:37	12:12	09:10
Specimen Type: Serum				
Haemolysis	Nil	Nil	1+	Nil

Icterus			Nil	Nil	Nil	Nil
Lipaemia			Nil	Nil	Nil	Nil
Na	(135-145)	mmol/L	140	139	139	139
K	(3.6-5.4)	mmol/L	4.0	4.1	4.4	4.4
Cl	(95-110)	mmol/L	102	100	104	104
HCO3	(22-32)	mmol/L	22	26	18	26
An Gap	(10-20)	mmol/L	20	17	21	13
Urea	(2.5-6.7)	mmol/L	4.1	4.1	3.5	3.8
Creat	(45-90)	umol/L	60	70	65	60
eGFR	mL/min/1.73sqM		> 90	> 90	> 90	> 90
Urate	(0.14-0.36)	mmol/L	0.27	0.23	0.24	0.24
Bili	(< 15)	umol/L	10	5	7	8
AST	(< 30)	U/L	34	16	24	18
ALT	(< 30)	U/L	22	8	15	20
GGT	(< 30)	U/L	10	12	12	11
Alk Phos	(20-105)	U/L	59	60	57	56
Protein	(60-82)	g/L	69	73	72	65
Albumin	(38-50)	g/L	45	47	45	43
Glob	(20-39)	g/L	24	26	27	22
Ca	(2.10-2.60)	mmol/L	2.36	2.36	2.27	2.38
Corr Ca	(2.10-2.60)	mmol/L	2.32	2.28	2.23	2.38
PO4	(0.75-1.50)	mmol/L	1.21	1.42	1.19	1.34

eGFR >=90 mL/min/1.73m2 usually indicates normal kidney function but does not exclude patients with early kidney damage (those with albuminuria, haematuria or abnormal kidney imaging).

Requested Tests : VBF*, TFT, GLU, MBA, LIP, FE, FBE, DVI*

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Phone: 0296297202
Birthdate: 12/11/1999 **Sex:** F **Medicare Number:** 2883558321
Your Reference: 00120566 **Lab Reference:** 24-96667663-LIP-0
Laboratory: Laverty Pathology
Addressee: DR MYRA TAN **Referred by:** DR MYRA TAN

Name of Test: LIPID STUDIES (LIP-0)
Requested: 11/11/2024 **Collected:** 15/11/2024 **Reported:** 15/11/2024 18:05

[LIPID STUDIES](#)
 Request Number 26596218 26395988 28432315 96667663
 Date Collected 22 Jan 24 7 Mar 24 15 Jul 24 15 Nov 24
 Time Collected 09:50 17:37 12:12 09:10
 Specimen Type: Serum

Reference intervals are included for reference only, and interpretation / treatment goals should be guided by patient-specific cardiovascular risk assessment (see Australian Cardiovascular Risk Charts. Alternatively, the web-site www.cvdcheck.org.au can be accessed in order to complete a risk assessment for individual patients.)

Haemolysis	Nil	Nil	1+	Nil
Icterus	Nil	Nil	Nil	Nil
Lipaemia	Nil	Nil	Nil	Nil

Fasting status			Fasting	Random	Random	Fasting
Chol	(3.0-5.2)	mmol/L	5.1	5.0	4.4	5.0
Trig	(0.5-1.7)	mmol/L	0.7	0.8	0.8	0.5
HDL	(1.0-2.0)	mmol/L	1.6		1.5	1.6
LDL	(1.5-3.4)	mmol/L	3.2		2.5	3.2
Non-HDL	(< 3.4)	mmol/L	3.5		2.9	3.4
Chol/HDL	(< 4.5)		3.2		2.9	3.1

NVDPA TARGET LIPID RANGES (MMOL/L) FOR PATIENTS AT HIGH / MODERATE RISK OF CARDIOVASCULAR DISEASE:

TOTAL CHOLESTEROL	<4.0
TRIGS (FASTING)	<2.0

HDL-C	>= 1.0
LDL-C	<2.0
NON HDL-C	<2.5

LDL-C exceeds target for higher risk patients and may be excessive in some individuals.

Requested Tests : VBF*, TFT, GLU, MBA, LIP, FE, FBE, DVI*

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Your Reference: 00120566 Lab Reference: 24-96667663-VBF-0
Laboratory: Lavery Pathology
Addressee: DR MYRA TAN Referred by: DR MYRA TAN

Name of Test: B12, FOLATE, R.C.FOLATE (VBF-0)
Requested: 11/11/2024 Collected: 15/11/2024 Reported: 15/11/2024 18:10

VITAMIN B12 AND FOLATE STUDIES

Request Number	24579685	26596218	28432315	96667663
Date Collected	18 Aug 23	22 Jan 24	15 Jul 24	15 Nov 24
Time Collected	10:45	09:50	12:12	09:10
B12 (156-740)pmol/L	201	217	156	548
Active B12 (> 40) pmol/L	45	57	35	
Serum Folate (> 9.0)nmol/L	44.8	38.1	49.0	21.0

Folate Interpretation:

	DEFICIENCY	BORDERLINE	SUFFICIENCY
Serum Folate:	<4.5 nmol/L	4.5 - 9.0 nmol/L	>9.0 nmol/L

Serum Folate Assay:

In the absence of recent oral intake, a serum folate >9.0 nmol/L effectively rules out folate deficiency.

Red cell folates (RCF) are no longer processed routinely. If you have requested a RCF, and require a result for appropriate clinical reasons, this will need to be discussed and agreed with a Consultant Haematologist on +61290027085 or Dr. Lucinda Wallman, Consultant Pathologist in Immunology and Medical Director on telephone number +61 290057179

Requested Tests : VBF, TFT, GLU, MBA, LIP, FE, FBE, DVI*

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Your Reference: 00120566 Lab Reference: 24-96667663-DVI-0
Laboratory: Lavery Pathology
Addressee: DR MYRA TAN Referred by: DR MYRA TAN

Name of Test: VITAMIN D (DVI-0)
Requested: 11/11/2024 Collected: 15/11/2024 Reported: 15/11/2024 18:34

VITAMIN D

Haemolysis	Nil
Serum 25(OH) Vitamin D	70 nmol/L

Suggested decision limits for Vitamin D status:

Sufficiency	51 -200	nmol/L
Mild deficiency	25 - 50	nmol/L
Marked deficiency	< 25	nmol/L
Toxicity	>250	nmol/L

References: Vitamin D and health in adults in Australia and New Zealand:
Position Statement. MJA 2012 June 18; 196(11),686-687.

Requested Tests : VBF, TFT, GLU, MBA, LIP, FE, FBE, DVI