

MT WARREN PARK MEDICAL CENTRE
Shop 8a/20-30 Mt Warren Blvd.
Mt Warren Park 4207
PH : (07) 3807 8588 FAX : (07) 3807 5966

02/05/2023

RE: Miss Laetitia Baines DOB:16/06/1989 Medicare No: 4319404945
5 Molyu Court Mt Warren Park. 4207
Tel: Mobile: 0478 846 920

MASTER FULL BLOOD COUNT on 27/04/2023

CUMULATIVE FULL BLOOD EXAMINATION

Date	04/10/22	20/11/22	31/01/23	27/04/23		
Time	09:30	05:40	09:05	08:45		
Lab No	71267420	61773113	71265425	72695279		
Hb	126	113	126	121	g/L	(115-160)
RCC	4.8	4.4	4.8	4.5	x10 ¹² /L	(3.6-5.2)
Hct	0.38	0.35	0.40	0.37		(0.33-0.46)
MCV	80	80	82	84	fL	(80-98)
MCH	26	26	26	27	pg	(27-35)
Plats	302	258	244	218	x10 ⁹ /L	(150-450)
WCC	8.3	9.6	7.1	6.5	x10 ⁹ /L	(4.0-11.0)
Neuts	4.8	6.4	4.1	3.7	x10 ⁹ /L	(2.0-7.5)
Lymphs	2.9	2.5	2.3	2.2	x10 ⁹ /L	(1.1-4.0)
Monos	0.4	0.7	0.4	0.3	x10 ⁹ /L	(0.2-1.0)
Eos	0.08	0.00	0.21	0.20	x10 ⁹ /L	(0.04-0.40)
Basos	0.08	0.00	0.07	0.07	x10 ⁹ /L	(< 0.21)

72695279 **Automated Comment:**

As per ISLH guidelines - Film not reviewed. If a film review is truly indicated, contact the laboratory within 24 hours of collection. Otherwise investigate any highlighted abnormalities as clinically appropriate.

All haematology parameters are within normal limits for age and sex.

**** FINAL REPORT - Please destroy previous report ****

Tests Completed:FBC

Tests Pending :TFT, IRON STUDIES, SERUM FOLATE, SERUM VITAMIN B12, SE E/LFT, SE ZINC

Tests Pending :SE VIT D, SE VITAMIN A, SE HDL, SE C-REACTIVE PROTEIN, BL HBA1C

C REACTIVE PROTEIN on 27/04/2023

CUMULATIVE SERUM COMPLEMENT AND C-REACTIVE PROTEIN (CRP)

Date	31/01/23	27/04/23
Time	09:05	08:45
Lab No	71265425	72695279

CRP + 12 + 10 mg/L(0-6)

C-reactive protein (CRP) is a non-specific indicator of tissue damage.

The level rises rapidly (within 6-10 hours) after tissue injury, peaks at 48-72 hours and returns to normal within a few days. Common

causes of markedly increased CRP include infection (particularly bacterial), trauma, surgery, myocardial infarction, many malignancies and inflammatory disorders.

Tests Completed:FBC, SE E/LFT, SE HDL, SE C-REACTIVE PROTEIN

Tests Pending :TFT, IRON STUDIES, SERUM FOLATE, SERUM VITAMIN B12, SE ZINC, SE VIT D

Tests Pending :SE VITAMIN A, BL HBA1C

E/LFT (MASTER) on 27/04/2023

CUMULATIVE SERUM BIOCHEMISTRY					
Date	03/06/22	04/10/22	20/11/22	31/01/23	27/04/23
Time	09:10	09:30	05:40	09:05	08:45
Lab No	70229984	71267420	61773113	71265425	72695279
	FASTING	FASTING	FASTING	FASTING	FASTING
Sodium	138	138	137	140	141 mmol/L (137-147)
Potass.	4.4	4.6	4.2	5.0	4.3 mmol/L (3.5-5.0)
Chloride	103	105	102	104	105 mmol/L (96-109)
Bicarb	28	24	25	26	24 mmol/L (25-33)
An.Gap	11	14	14	15	16 mmol/L (4-17)
Gluc	5.0	5.1	4.6	4.4	4.4 mmol/L (3.0-6.0)
Urea	4.2	4.2	3.5	3.7	3.9 mmol/L (2.0-7.0)
Creat	60	70	63	65	62 umol/L (40-110)
eGFR	> 90	> 90	> 90	> 90	> 90 mL/min (over 59)
Urate	0.39	0.46	0.60	0.40	0.39 mmol/L (0.14-0.35)
T.Bili	5	6	9	10	11 umol/L (2-20)
D.Bili			2		umol/L
Alk.P	57	67	49	80	55 U/L (30-115)
GGT	42	26	27	88	15 U/L (0-45)
ALT	90	38	93	80	52 U/L (0-45)
AST	38	24	39	38	34 U/L (0-41)
LD	173	201	183	150	151 U/L (80-250)
Calcium	2.31	2.30	2.23	2.34	2.25 mmol/L (2.15-2.60)
Corr.Ca	2.35	2.21	2.33	2.35	2.29 mmol/L (2.15-2.60)
Phos	1.0	1.2	1.0	1.0	1.3 mmol/L (0.8-1.5)
T.Prot	71	76	67	69	68 g/L (60-82)
Alb	41	46	39	42	41 g/L (35-50)
Glob	30	30	28	27	27 g/L (20-40)
Chol	4.9	4.5	3.4	4.3	4.1 mmol/L (3.6-6.7)
Trig	1.4	1.3	1.1	1.3	1.1 mmol/L (0.3-2.2)
Lab No	70229984	71267420	61773113	71265425	72695279
Date	03/06/22	04/10/22	20/11/22	31/01/23	27/04/23

Tests Completed:FBC, SE E/LFT, SE HDL, SE C-REACTIVE PROTEIN

Tests Pending :TFT, IRON STUDIES, SERUM FOLATE, SERUM VITAMIN B12, SE ZINC, SE VIT D

Tests Pending :SE VITAMIN A, BL HBA1C

HDL CHOLESTEROL,SERUM on 27/04/2023

CUMULATIVE LIPID RISK REPORT		
Date	31/01/23	27/04/23
Time	09:05	08:45
Lab No	71265425	72695279
	FASTING	FASTING
Total Cholesterol	4.3	4.1 mmol/L (below 4.0)
Triglycerides	1.3	1.1 mmol/L (below 2.0)
Target if HIGH RISK		
CHOLESTEROL FRACTIONS		
HDL	0.80	0.96 mmol/L (above 1.0)
LDL (calculated)*	2.91	2.64 mmol/L (below 2.5)
Non-HDL cholesterol*	3.50	3.14 mmol/L (below 3.3)
Total/HDL ratio**	5.4	4.3

* Secondary prevention LDL and non-HDL cholesterol targets are lower.

** The ratio is for use with the cardiovascular risk calculator.

Web-search: "Australian cardiovascular risk calculator"

72695279 Treatment is recommended if clinically indicated or if calculated risk exceeds 15% absolute risk of CVD events over 5 years.

NVDPA 2012 [Target](#) ranges refer to [HIGH RISK PATIENTS](#).

As of 7/3/22 LDL will no longer be measured routinely. LDL results will be calculated, in accordance with National harmonisation.

Tests Completed:FBC, SE E/LFT, SE HDL, SE C-REACTIVE PROTEIN

Tests Pending :TFT, IRON STUDIES, SERUM FOLATE, SERUM VITAMIN B12, SE ZINC, SE VIT D

Tests Pending :SE VITAMIN A, BL HBA1C

THYROID TEST MASTER on 27/04/2023

CUMULATIVE SERUM THYROID FUNCTION TESTS

Date	05/10/21	03/06/22	31/01/23	27/04/23
Time	09:10	09:10	09:05	08:45
Lab No	68058138	70229984	71265425	72695279
TSH	3.2	3.3	3.7	2.6 mIU/L (0.50-4.00)
free T4	14	13		pmol/L (10-20)
free T3		5.4		pmol/L (2.8-6.8)

Euthyroid level. However if hypopituitarism (rare) is suspected, free T4 assay may be indicated.

Tests Completed:TFT, IRON STUDIES, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE E/LFT

Tests Completed:SE HDL, SE C-REACTIVE PROTEIN

Tests Pending :SE ZINC, SE VIT D, SE VITAMIN A, BL HBA1C

MASTER IRON STUDIES on 27/04/2023

CUMULATIVE IRON STUDIES

Date	03/06/22	04/10/22	31/01/23	27/04/23
Time	09:10	09:30	09:05	08:45
Lab No	70229984	71267420	71265425	72695279
Iron	7		9	8 umol/L (10-33)
TIBC	57		52	55 umol/L (45-70)
Saturation	12		17	15 % (16-50)
Ferritin	39	30	31	25 ug/L (25-290)

72695279 [Comment:](#)

The iron pattern suggests, but is not diagnostic of suboptimal iron status.

The serum iron may be falsely lower and the ferritin may be misleadingly elevated into the normal range by concurrent infection/ inflammatory disease. A soluble transferrin receptor assay may be useful in assessing iron status in this situation.

Note: There is no medicare rebate for the soluble transferrin assay. The patient will be billed direct \$50.00.

Tests Completed:TFT, IRON STUDIES, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE E/LFT

Tests Completed:SE HDL, SE C-REACTIVE PROTEIN

Tests Pending :SE ZINC, SE VIT D, SE VITAMIN A, BL HBA1C

MASTER VITAMIN B12 FOLATE on 27/04/2023

CUMULATIVE VITAMIN B12 AND FOLATE ASSAYS

Date	04/10/22	31/01/23	27/04/23
Time	09:30	09:05	08:45
Lab No	71267420	71265425	72695279

B12 Total	376	485	611	pmol/L	(162-811)
S.Fol.		32.4	29.8	nmol/L	(8.4-55.0)

Comment:
72695279

Serum Folate Assay:
Adequate Serum Folate.
In the absence of recent oral intake, a serum folate >13 nmol/L effectively rules out folate deficiency. Consider repeat fasting Folate, if there has been inadequate fasting, and clinical concern remains.

Serum Vitamin B12 Assay:
Essentially normal B12 levels, although liver disease if present may falsely elevate the level.

Methodology:
B12 and Active B12 (HoloTC) assays performed on Siemens Atellica analyser.

For Doctor clinical enquiries, please contact Dr Peter Davidson 07 3121 4444.
Patients should contact their referring doctor in regard to this result.

Tests Completed:TFT, IRON STUDIES, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE E/LFT
Tests Completed:SE HDL, SE C-REACTIVE PROTEIN
Tests Pending :SE ZINC, SE VIT D, SE VITAMIN A, BL HBA1C

HAEMOGLOBIN A1C,BLOOD on 27/04/2023

CUMULATIVE GLYCATED HAEMOGLOBIN

Date	05/10/21	03/06/22	31/01/23	27/04/23
Time	09:10	09:10	09:05	08:45
Lab No	68058138	70229984	71265425	72695279

HbA1c Fraction	5.2	5.3	5.0	5.0	%
in SI units	33	34	32	31	mmol/mol

Note: Caution is needed in interpreting HbA1c results in the presence of conditions affecting red blood cell survival times, which may lead to either falsely high or falsely low HbA1c results.

HbA1c diagnostic levels - RCPA 2014
 < 6.1% (<43 mmol/mol) - current diabetes is excluded
 6.1-6.4% (43-47 mmol/mol) - high risk for future diabetes
 > 6.4% (>48 mmol/mol) - diabetes is likely
 Unless patient has supportive symptoms or elevated plasma glucose values, repeat test is recommended.
 Currently, Medicare will fund only one diagnostic test per year.

Sample may be collected at any time - fasting is not required.
 Note - diabetes tolerance may be impaired by chronic illness, use of certain drugs including steroids, Cushing syndrome, etc.
 We would advise considering secondary forms in newly-diagnosed patients.
 For clinical enquiries, please contact Dr Appleton, Chang or Marshall

Tests Completed:TFT, IRON STUDIES, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE E/LFT
 Tests Completed:SE HDL, SE C-REACTIVE PROTEIN, BL HBA1C
 Tests Pending :SE ZINC, SE VIT D, SE VITAMIN A

VITAMIN D,SERUM on 27/04/2023

CUMULATIVE SERUM VITAMIN D

Date	04/10/22	31/01/23	27/04/23
Time	09:30	09:05	08:45
Lab No	71267420	71265425	72695279
Vitamin D3	67	106	98 nmol/L (> 49)

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** Progress report.

Tests Completed:TFT, IRON STUDIES, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE E/LFT
Tests Completed:SE VIT D, SE HDL, SE C-REACTIVE PROTEIN, BL HBA1C
Tests Pending :SE ZINC, SE VITAMIN A

ZINC,SERUM on 27/04/2023

Serum Zinc 10 umol/L (10-25)

Tests Completed:TFT, IRON STUDIES, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE E/LFT
Tests Completed:SE ZINC, SE VIT D, SE HDL, SE C-REACTIVE PROTEIN, BL HBA1C
Tests Pending :SE VITAMIN A