

FREESTONE, MELODY MICHELLE
 75 NATHAN VALLEY RD, MOUNT NATHAN. 4211
 Phone: 04 16020779
 Birthdate: 07/03/1976 Sex: F Medicare Number: 42526148272
 Your Reference: 00285242 Lab Reference: 23-73955857-25T-0
 Laboratory: 2184
 Addressee: DR JOHN BUCKLEY Referred by: DR JOHN BUCKLEY

Name of Test: E/LFT (MASTER)
 Requested: 11/10/2023 Collected: 13/10/2023 Reported: 13/10/2023
 14:46

CUMULATIVE SERUM BIOCHEMISTRY					
Date	25/05/21	19/01/22	15/08/22	13/10/23	
Time	10:05	07:30	08:40	07:49	
Lab No	29616838	69259514	70883111	73955857	
	FASTING	FASTING	FASTING	RANDOM	RANDOM
Sodium	140	140	140	141	mmol/L (137-147)
Potass.	4.3	4.0	3.9	4.3	mmol/L (3.5-5.0)
Chloride	108	105	104	104	mmol/L (96-109)
Bicarb	28	28	29	30	mmol/L (25-33)
An.Gap	8	11	11	11	mmol/L (4-17)
Gluc	5.0	4.9	5.0	5.0	mmol/L (3.0-7.7)
Urea	8.2	6.0	5.8	5.6	mmol/L (2.0-7.0)
Creat	63	69	54	63	umol/L (40-110)
eGFR	> 90	> 90	> 90	> 90	mL/min (over 59)
Urate	0.22	0.25	0.20	0.19	mmol/L (0.14-0.35)
T.Bili	10	8	7	8	umol/L (2-20)
Alk.P	64	79	67	70	U/L (30-115)
GGT	12	12	13	10	U/L (0-45)
ALT	37	17	18	14	U/L (0-45)
AST	106	24	23	20	U/L (0-41)
LD	185	127	135	140	U/L (80-250)
Calcium		2.32		2.22	mmol/L (2.15-2.60)
Corr.Ca		2.31		2.26	mmol/L (2.15-2.60)
Phos		1.1		1.2	mmol/L (0.8-1.5)
T.Prot	68	68	66	64	g/L (60-82)
Alb	44	43	42	41	g/L (35-50)
Glob	24	25	24	23	g/L (20-40)
Chol	5.7	6.4	6.1	5.3	mmol/L (3.6-6.9)
Trig	1.1	1.5	1.8	0.8	mmol/L (0.3-4.0)
Lab No	29616838	69259514	70883111	73955857	
Date	25/05/21	19/01/22	15/08/22	13/10/23	

Tests Completed: TSH, IRON STUDIES, SE E/LFT, SE HDL
 Tests Pending : PROGESTERONE, E2, LH, FSH, FBC, SERUM FOLATE, SERUM VITAMIN B12
 Tests Pending : SE ZINC, SE VIT D, BL HBA1C, HCG (QUANT)

FREESTONE, MELODY MICHELLE
75 NATHAN VALLEY RD, MOUNT NATHAN. 4211
Phone: 04 16020779
Birthdate: 07/03/1976 Sex: F Medicare Number: 42526148272
Your Reference: 00285242 Lab Reference: 23-73955857-HDL-0
Laboratory: 2184
Addressee: DR JOHN BUCKLEY Referred by: DR JOHN BUCKLEY

Name of Test: HDL CHOLESTEROL, SERUM
Requested: 11/10/2023 Collected: 13/10/2023 Reported: 13/10/2023
14:46

CUMULATIVE LIPID RISK REPORT

Date	19/01/22	15/08/22	13/10/23	
Time	07:30	08:40	07:49	
Lab No	69259514	70883111	73955857	
	FASTING	FASTING	RANDOM	
				Target if HIGH RISK
Total Cholesterol	6.4	6.1	5.3 mmol/L	(below 4.0)
Triglycerides	1.5	1.8	0.8 mmol/L	(below 2.0)
CHOLESTEROL FRACTIONS				
HDL	1.64	1.38	1.80 mmol/L	(above 1.0)
LDL (calculated)*	4.08	3.90	3.14 mmol/L	(below 2.5)
LDL (direct)*	3.53		mmol/L	(below 2.5)
Non-HDL cholesterol*	4.76	4.72	3.50 mmol/L	(below 3.3)
Total/HDL ratio**	3.9	4.4	2.9	

* 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"

73955857 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: TSH, IRON STUDIES, SE E/LFT, SE HDL
Tests Pending : PROGESTERONE, E2, LH, FSH, FBC, SERUM FOLATE, SERUM VITAMIN B12
Tests Pending : SE ZINC, SE VIT D, BL HBA1C, HCG(QUANT)

FREESTONE, MELODY MICHELLE
75 NATHAN VALLEY RD, MOUNT NATHAN. 4211
Phone: 04 16020779
Birthdate: 07/03/1976 Sex: F Medicare Number: 42526148272
Your Reference: 00285242 Lab Reference: 23-73955857-ISM-0
Laboratory: 2184
Addressee: DR JOHN BUCKLEY Referred by: DR JOHN BUCKLEY

Name of Test: MASTER IRON STUDIES
Requested: 11/10/2023 Collected: 13/10/2023 Reported: 13/10/2023
14:46

CUMULATIVE IRON STUDIES

Date 13/10/23
Time 07:49
Lab No 73955857

Iron	9	umol/L	(10-33)
TIBC	52	umol/L	(45-70)
Saturation	17	%	(16-50)
Ferritin	42	ug/L	(25-290)

73955857 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: TSH, IRON STUDIES, SE E/LFT, SE HDL
Tests Pending : PROGESTERONE, E2, LH, FSH, FBC, SERUM FOLATE, SERUM VITAMIN B12
Tests Pending : SE ZINC, SE VIT D, BL HBA1C, HCG (QUANT)

FREESTONE, MELODY MICHELLE
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Phone: 04 16020779
Birthdate: 07/03/1976 Sex: F Medicare Number: 42526148272
Your Reference: 00285242 Lab Reference: 23-73955857-THY-0
Laboratory: 2184
Addressee: DR JOHN BUCKLEY Referred by: DR JOHN BUCKLEY

Name of Test: THYROID TEST MASTER
Requested: 11/10/2023 Collected: 13/10/2023 Reported: 13/10/2023
14:46

CUMULATIVE SERUM THYROID FUNCTION TESTS

Date	28/07/16	02/07/19	19/01/22	13/10/23
Time	09:05	00:00	07:30	07:49
Lab No	72568298	69930551	69259514	73955857
TSH	1.1	1.4	1.6	1.2 mIU/L (0.50-4.00)

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

Tests Completed: TSH, IRON STUDIES, SE E/LFT, SE HDL
Tests Pending : PROGESTERONE, E2, LH, FSH, FBC, SERUM FOLATE, SERUM VITAMIN B12
Tests Pending : SE ZINC, SE VIT D, BL HBA1C, HCG (QUANT)

FREESTONE, MELODY MICHELLE
 75 NATHAN VALLEY RD, MOUNT NATHAN. 4211
 Phone: 04 16020779
 Birthdate: 07/03/1976 Sex: F Medicare Number: 42526148272
 Your Reference: 00285242 Lab Reference: 23-73955857-CBC-0
 Laboratory: 2184
 Addressee: DR JOHN BUCKLEY Referred by: DR JOHN BUCKLEY

Name of Test: MASTER FULL BLOOD COUNT
 Requested: 11/10/2023 Collected: 13/10/2023 Reported: 13/10/2023
 14:51

CUMULATIVE FULL BLOOD EXAMINATION					
Date	25/05/21	19/01/22	15/08/22	13/10/23	
Time	10:05	07:30	08:40	07:49	
Lab No	29616838	69259514	70883111	73955857	
Hb	124	134	131	128	g/L (115-160)
RCC	4.7	4.9	4.8	4.9	x10 ¹² /L (3.6-5.2)
Hct	0.39	0.42	0.40	0.41	(0.33-0.46)
MCV	84	84	84	83	fL (80-98)
MCH	27	27	28	26	pg (27-35)
Plats	195	190	179	202	x10 ⁹ /L (150-450)
WCC	7.7	5.8	5.5	6.3	x10 ⁹ /L (4.0-11.0)
Neuts	4.8	2.4	3.0	59 % 3.7	x10 ⁹ /L (2.0-7.5)
Lymphs	2.4	2.8	2.0	32 % 2.0	x10 ⁹ /L (1.1-4.0)
Monos	0.5	0.4	0.4	7 % 0.4	x10 ⁹ /L (0.2-1.0)
Eos	0.08	0.12	0.11	1 % 0.06	x10 ⁹ /L (0.04-0.40)
Basos	0.00	0.06	0.00	1 % 0.06	x10 ⁹ /L (< 0.21)

73955857 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.

Minor Hypochromia. Correlate with Iron status.

** FINAL REPORT - Please destroy previous report **

Tests Completed: TSH, IRON STUDIES, FBC, SE E/LFT, SE HDL
 Tests Pending : PROGESTERONE, E2, LH, FSH, SERUM FOLATE, SERUM VITAMIN B12, SE ZINC
 Tests Pending : SE VIT D, BL HBA1C, HCG(QUANT)

FREESTONE, MELODY MICHELLE
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Phone: 04 16020779
Birthdate: 07/03/1976 Sex: F Medicare Number: 42526148272
Your Reference: 00285242 Lab Reference: 23-73955857-VD-0
Laboratory: 2184
Addressee: DR JOHN BUCKLEY Referred by: DR JOHN BUCKLEY

Name of Test: VITAMIN D, SERUM
Requested: 11/10/2023 Collected: 13/10/2023 Reported: 13/10/2023
14:57

CUMULATIVE SERUM VITAMIN D			
Date	19/01/22	13/10/23	
Time	07:30	07:49	
Lab No	69259514	73955857	
Vitamin D3	66	74 nmol/L	(> 49)

73955857

** Progress report.

Tests Completed: TSH, IRON STUDIES, FBC, SE E/LFT, SE VIT D, SE HDL
Tests Pending : PROGESTERONE, E2, LH, FSH, SERUM FOLATE, SERUM VITAMIN B12, SE
ZINC
Tests Pending : BL HBA1C, HCG (QUANT)

FREESTONE, MELODY MICHELLE
 75 NATHAN VALLEY RD, MOUNT NATHAN. 4211
Phone: 04 16020779
Birthdate: 07/03/1976 **Sex:** F **Medicare Number:** 42526148272
Your Reference: 00285242 **Lab Reference:** 23-73955857-BHC-0
Laboratory: 2184
Addressee: DR JOHN BUCKLEY **Referred by:** DR JOHN BUCKLEY

Name of Test: QUANTITATIVE HCG, SERUM
Requested: 11/10/2023 **Collected:** 13/10/2023 **Reported:** 13/10/2023
 15:31

CUMULATIVE SERUM HUMAN CHORIONIC GONADOTROPHIN

Date	02/07/19	25/05/21	19/01/22	13/10/23
Time	00:00	10:05	07:30	07:49
Lab No	69930550	29616838	69259514	73955857
HCG		< 5		< 5 IU/L
Progesterone	8		2	2 nmol/L (>30)

Serum HCG Test Interpretation

Non-pregnant: <5 IU/L (if taken after first missed period)
 Borderline result: 5-25 IU/L (suggest repeat in 48 hours)
 Pregnant: >25 IU/L
 Post menopause: <10 IU/L

Ranges by Week : lower - Median - upper

4	:	40	350	2000
5	:	400	1800	10000
6	:	1600	8000	33000
7	:	7000	25000	65000
8	:	20000	50000	100000
9	:	40000	65000	120000
10	:	46000	70000	125000

Note - HCG levels peak at 10-12 weeks gestation and fall thereafter.

Tests Completed: TSH, IRON STUDIES, FBC, SE E/LFT, SE VIT D, SE HDL, HCG(QUANT)
 Tests Pending : PROGESTERONE, E2, LH, FSH, SERUM FOLATE, SERUM VITAMIN B12, SE ZINC
 Tests Pending : BL HBA1C

FREESTONE, MELODY MICHELLE
 75 NATHAN VALLEY RD, MOUNT NATHAN. 4211
 Phone: 04 16020779
 Birthdate: 07/03/1976 Sex: F Medicare Number: 42526148272
 Your Reference: 00285242 Lab Reference: 23-73955857-FHM-0
 Laboratory: 2184
 Addressee: DR JOHN BUCKLEY Referred by: DR JOHN BUCKLEY

Name of Test: FERTILITY HORMONE MASTER
 Requested: 11/10/2023 Collected: 13/10/2023 Reported: 13/10/2023
 16:06

CUMULATIVE FERTILITY HORMONES

Date	02/07/19	25/05/21	19/01/22	15/08/22	13/10/23
Time	00:00	10:05	07:30	08:40	07:49
Lab No	69930550	29616838	69259514	70883111	73955857

	02/07/19	25/05/21	19/01/22	15/08/22	13/10/23	
LH					46	IU/L
FSH		8	21	20	40	IU/L
E2	280		320		340	pmol/L
Prog	8		2		2	nmol/L

Ranges:	Follicular Phase	Midcycle Peak	Luteal Phase	Post-Menopausal
LH	2 - 12	10 - 130	1 - 17	15 - 60
FSH	1 - 10	3 - 33	1 - 9	20 - 140
Oestradiol	70 - 530	230 - 1310	200 - 790	< 120
Progesterone	< 5	rising	20 - 110	< 3

73955857 The high Gonadotrophins indicate increased Ovarian resistance.
 However the Oestradiol indicates that follicular responses are
 still occurring, with the potential for further ovulation
 (unless this woman is taking a form of oestrogens which is being
 measured in this assay).

Tests Completed: TSH, IRON STUDIES, PROGESTERONE, E2, LH, FSH, FBC, SE E/LFT, SE
 VIT D

Tests Completed: SE HDL, HCG (QUANT)

Tests Pending : SERUM FOLATE, SERUM VITAMIN B12, SE ZINC, BL HBA1C

FREESTONE, MELODY MICHELLE
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Birthdate: 07/03/1976 Sex: F Medicare Number: 42526148272
Your Reference: 00285242 Lab Reference: 23-73955857-BFM-0
Laboratory: 2184
Addressee: DR JOHN BUCKLEY Referred by: DR JOHN BUCKLEY

Name of Test: MASTER VITAMIN B12 FOLATE
Requested: 11/10/2023 Collected: 13/10/2023 Reported: 13/10/2023
16:28

CUMULATIVE VITAMIN B12 AND FOLATE ASSAYS

Date 13/10/23
Time 07:49
Lab No 73955857

B12 Total 502 pmol/L (162-811)
S.Fol. > 54.0 nmol/L (8.4-55.0)

Comment:
73955857

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.

Clinical:

Please note that Medicare requirements for folate testing reflect current best practice. Red cell folate will be reserved for patients with borderline values of serum folate (between 4.5 and 7.0) nmol/L).

Tests Completed:TSH, IRON STUDIES, PROGESTERONE, E2, LH, FSH, FBC, SERUM FOLATE
Tests Completed:SERUM VITAMIN B12, SE E/LFT, SE VIT D, SE HDL, HCG(QUANT)
Tests Pending :SE ZINC, BL HBA1C

FREESTONE, MELODY MICHELLE
75 NATHAN VALLEY RD, MOUNT NATHAN. 4211
Phone: 04 16020779
Birthdate: 07/03/1976 Sex: F Medicare Number: 42526148272
Your Reference: 00285242 Lab Reference: 23-73955857-A1C-0
Laboratory: 2184
Addressee: DR JOHN BUCKLEY Referred by: DR JOHN BUCKLEY

Name of Test: HAEMOGLOBIN A1C, BLOOD
Requested: 11/10/2023 Collected: 13/10/2023 Reported: 13/10/2023
17:18

CUMULATIVE GLYCATED HAEMOGLOBIN			
Date	19/01/22	15/08/22	13/10/23
Time	07:30	08:40	07:49
Lab No	69259514	70883111	73955857
HbA1c Fraction	5.6	5.5	5.5 %
in SI units	37	36	36 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: TSH, IRON STUDIES, PROGESTERONE, E2, LH, FSH, FBC, SERUM FOLATE
Tests Completed: SERUM VITAMIN B12, SE E/LFT, SE VIT D, SE HDL, BL HBA1C, HCG (QUANT)
Tests Pending : SE ZINC

FREESTONE, MELODY MICHELLE
75 NATHAN VALLEY RD, MOUNT NATHAN. 4211
Phone: 04 16020779
Birthdate: 07/03/1976 Sex: F Medicare Number: 42526148272
Your Reference: 00285242 Lab Reference: 23-73955857-ZN-0
Laboratory: 2184
Addressee: DR JOHN BUCKLEY Referred by: DR JOHN BUCKLEY

Name of Test: ZINC, SERUM
Requested: 11/10/2023 Collected: 13/10/2023 Reported: 13/10/2023
19:46

Serum Zinc 12 umol/L (10-25)

Tests Completed:TSH, IRON STUDIES, PROGESTERONE, E2, LH, FSH, FBC, SERUM FOLATE
Tests Completed:SERUM VITAMIN B12, SE E/LFT, SE ZINC, SE VIT D, SE HDL, BL HBA1C
Tests Completed:HCG(QUANT)
Tests Pending :

