

Investigations:

FORBES, HELEN
11 MCANENY STREET, REDCLIFFE. 4020
Phone: 0430248625
Birthdate: 31/01/1975 Sex: F Medicare Number: 4352419424
Your Reference: 20E894E8D3 Lab Reference: 531813200-C-C847
Laboratory: SNP
Addressee: DR MORAY G WILSON Referred by: DR MORAY G WILSON

Name of Test: S- LIPID PROFILE
Requested: 22/10/2024 Collected: 23/10/2024 Reported: 24/10/2024 04:40

Clinical notes: Not Provided

Clinical Notes : Not Provided

Lipid Profile

Cholesterol	5.7 H	(	<5.6	)	mmol/L
Triglyceride	0.8	(	<2.1	)	mmol/L
HDL	1.94	(	>1.09	)	mmol/L
LDL	3.4	(	<4.1	)	mmol/L
Tot Chol/HDL	2.9	(	<4.6	)	
Non HDLC	3.76	(	<3.81	)	mmol/L

Comments on Lab Id: 531813200

LDL is now calculated by the Sampson equation which allows an accurate result at higher triglyceride levels.

The National Vascular Disease Prevention Alliance (NVDPA) guidelines recommend a target level of less than 2.5 mmol/L for non-HDLC.

TARGET LEVELS:

The National Vascular Disease Prevention Alliance (NVDPA) treatment target levels for high risk people (known coronary heart and other arterial disease, diabetes, chronic renal failure, Aboriginal and Torres Strait Islander peoples and familial hyperlipidaemic conditions) are:

Total Cholesterol	<4.0 mmol/L
HDL-Cholesterol	>=1.00 mmol/L
Fasting Triglycerides	<2.0 mmol/L
Non-HDL Cholesterol	<2.5 mmol/L

Increased non-HDL Cholesterol is the most significant marker for subclinical atherosclerosis (ref: Cardiology Today 2013; 3(2) : pp25-27).

CA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol, Iron Studies, E/LFT, TFTH, Vitamin B12, Folate (Serum), Homocysteine, HbA1c, FBE, ESR

Tests Pending : Zinc

Sample Pending :

FORBES, HELEN
11 MCANENY STREET, REDCLIFFE. 4020
Phone: 0430248625
Birthdate: 31/01/1975 Sex: F Medicare Number: 4352419424
Your Reference: 20E894E8D3 Lab Reference: 531813200-C-H245
Laboratory: SNP
Addressee: DR MORAY G WILSON Referred by: DR MORAY G WILSON

Name of Test: ANAEMIA
Requested: 22/10/2024 Collected: 23/10/2024 Reported: 24/10/2024 04:40

Clinical notes: Not Provided

Clinical Notes : Not Provided

Haematinics

Iron	7	(5 - 30)	umol/L
Transferrin	2.7	(1.9 - 3.1)	g/L
TIBC	69	(47 - 77)	umol/L
Saturation	10 %	(20 - 45)	%
Ferritin	39	(30 - 300)	ug/L
Vitamin B12	526	(>150)	pmol/L
Folate (Serum)	21	(>7.0)	nmol/L

Comments on Lab Id: 531813200

The normal ferritin implies normal iron stores. However, a normal ferritin level may be seen in iron deficient patients who have recently taken oral iron, or who have an intercurrent illness causing ferritin elevation.

All patients with low or equivocal vitamin B12 results (400 pmol/L or less) will be routinely tested for holo-transcobalamin (active B12) to clarify the B12 status.

Both tests are now Medicare rebateable. Vitamin B12 concentrations over 400 pmol/L are generally considered replete.

EA

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Tests Completed: HDL-Cholesterol, Iron Studies, E/LFT, TFTH, Vitamin B12, Folate (Serum), Homocysteine, HbA1c, FBE, ESR

Tests Pending : Zinc

Sample Pending :

FORBES, HELEN

11 MCANENY STREET, REDCLIFFE. 4020

Phone: 0430248625

Birthdate: 31/01/1975 Sex: F Medicare Number: 4352419424

Your Reference: 20E894E8D3 Lab Reference: 531813200-C-C140

Laboratory: SNP

Addressee: DR MORAY G WILSON Referred by: DR MORAY G WILSON

Name of Test: S- ROUTINE CHEMISTRY

Requested: 22/10/2024 Collected: 23/10/2024 Reported: 24/10/2024 04:40

Clinical notes: Not Provided

Clinical Notes : Not Provided

Sodium	139	(135 - 145)	mmol/L
Potassium	4.5	(3.5 - 5.5)	mmol/L
Chloride	108	(95 - 110)	mmol/L
Bicarbonate	23	(20 - 32)	mmol/L
Anion Gap	8	(<16)	mmol/L
Calcium (Corrected)	2.41	(2.10 - 2.60)	mmol/L
Phosphate	1.11	(0.80 - 1.50)	mmol/L
Urea	5.7	(2.5 - 7.0)	mmol/L
Urate	0.223	(0.150 - 0.400)	mmol/L
Creatinine	67	(45 - 85)	umol/L
eGFR	>90	(>59)	
Glucose random	4.3	(3.6 - 7.7)	mmol/L
Total Protein	69	(64 - 81)	g/L
Albumin	35	(33 - 46)	g/L
Globulin	34	(23 - 43)	g/L
Bilirubin	6	(<16)	umol/L
ALP	55	(20 - 105)	U/L
AST	19	(10 - 35)	U/L
ALT	13	(5 - 30)	U/L
GGT	11	(5 - 35)	U/L
LD	214	(<250)	U/L
Cholesterol	5.7 H	(<5.6)	mmol/L
Triglyceride	0.8	(<2.1)	mmol/L

Comments on Lab Id: 531813200

Delayed centrifugation of longer than two hours may cause a significant increase in potassium, phosphate, and LDH and a decrease in glucose and bicarbonate levels.

DR

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Tests Completed: HDL-Cholesterol, Iron Studies, E/LFT, TFTH, Vitamin B12, Folate (Serum), Homocysteine, HbA1c, FBE, ESR

Tests Pending : Zinc

Sample Pending :

FORBES, HELEN
11 MCANENY STREET, REDCLIFFE. 4020
Phone: 0430248625
Birthdate: 31/01/1975 Sex: F Medicare Number: 4352419424
Your Reference: 20E894E8D3 Lab Reference: 531813200-E-E030
Laboratory: SNP
Addressee: DR MORAY G WILSON Referred by: DR MORAY G WILSON

Name of Test: S- THYROID FUNCTION
Requested: 22/10/2024 Collected: 23/10/2024 Reported: 24/10/2024 04:40

Clinical notes: Not Provided

Clinical Notes : Not Provided

Thyroid Function Tests

Free T4	15.0	(9.0 - 19.0)	pmol/L
TSH	1.6	(0.3 - 3.5)	mIU/L

Comments on Collection 531813200

Euthyroid.
Please note that the reference intervals for FT4 have recently changed for patients over 70 years of age and pregnant women.
Please contact the laboratory on 3377 8530 if you require further information.

EA

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Tests Completed: HDL-Cholesterol, Iron Studies, E/LFT, TFTH, Vitamin B12, Folate (Serum), Homocysteine, HbA1c, FBE, ESR

Tests Pending : Zinc

Sample Pending :

FORBES, HELEN
11 MCANENY STREET, REDCLIFFE. 4020
Phone: 0430248625
Birthdate: 31/01/1975 Sex: F Medicare Number: 4352419424
Your Reference: 20E894E8D3 Lab Reference: 531813200-E-E310
Laboratory: SNP
Addressee: DR MORAY G WILSON Referred by: DR MORAY G WILSON

Name of Test: S-HOMOCYSTEINE
Requested: 22/10/2024 Collected: 23/10/2024 Reported: 24/10/2024 04:40

Clinical notes: Not Provided

Homocysteine

Homocysteine 8.8 (<15) umol/L

Comments on Collection 531813200

Serum homocysteine levels are markedly elevated (50 - 500 umol/L) in homocystinuria which is associated with childhood onset of ocular lens displacement, skeletal abnormalities and arterial and venous thromboses. Moderate elevations of serum homocysteine (16 - 100 umol/L) are seen in folic acid, vitamin B12 and pyridoxine deficiencies, several genetic defects, and renal failure. Elevated levels of serum homocysteine are associated with increased risk of atherosclerosis and venous thromboembolism.

EA

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Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol, Iron Studies, E/LFT, TFTH, Vitamin B12, Folate (Serum), Homocysteine, HbA1c, FBE, ESR

Tests Pending : Zinc

Sample Pending :

FORBES, HELEN

11 MCANENY STREET, REDCLIFFE. 4020

Phone: 0430248625

Birthdate: 31/01/1975 Sex: F Medicare Number: 4352419424

Your Reference: 20E894E8D3 Lab Reference: 531813200-H-E416

Laboratory: SNP

Addressee: DR MORAY G WILSON Referred by: DR MORAY G WILSON

Name of Test: HBA1C

Requested: 22/10/2024 Collected: 23/10/2024 Reported: 24/10/2024 04:40

Clinical notes: Not Provided

Clinical Notes : Not Provided

HbA1c

HbA1c (NGSP)	5.2	(	<6.5	)	%
HbA1c (IFCC)	33	(	<48	)	mmol/mol

Comments on Collection 531813200

The currently accepted cut-point for diagnosis of Type 2 Diabetes is an HbA1c level equal to or greater than 6.5% (48 mmol/mol) in patients with normal red blood cell turnover. An abnormal screening HbA1c equal to or greater than 6.5% (48 mmol/mol) should be confirmed by a repeat HbA1c level as soon as possible, prior to any dietary adjustment or therapeutic intervention. If the follow up HbA1c is less than 6.5% (48mmol/mol) then the patient does not have diabetes and should be rescreened in 12 months time. (Ref: MJA 197/4:220-221 (2012)) Patients with HbA1c levels of 5.7 - 6.4% (38 - 46 mmol/mol) may still have a slightly increased risk of microvascular complications according to the AusDiab study. The Medicare item for HbA1C for diagnosis of Diabetes Mellitus is limited to one test per 12 months; for monitoring Diabetes testing remains unchanged - 4 tests per 12 months. Further information may be found at MBS online

HA

PDF Image Enhanced Report

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Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol, Iron Studies, E/LFT, TPTH, Vitamin B12, Folate (Serum), Homocysteine, HbA1c, FBE, ESR

Tests Pending : Zinc

Sample Pending :

FORBES, HELEN
11 MCANENY STREET, REDCLIFFE. 4020
Phone: 0430248625
Birthdate: 31/01/1975 Sex: F Medicare Number: 4352419424
Your Reference: 20E894E8D3 Lab Reference: 531813200-H-H900
Laboratory: SNP
Addressee: DR MORAY G WILSON Referred by: DR MORAY G WILSON

Name of Test: .BLOOD COUNT
Requested: 22/10/2024 Collected: 23/10/2024 Reported: 24/10/2024 04:40

Clinical notes: Not Provided

Clinical Notes : Not Provided

Haematology

Haemoglobin	119	(115 - 165)	g/L
Haematocrit	0.36	(0.35 - 0.47)	
Red cell count	4.1	(3.9 - 5.6)	10 ¹² /L
MCV	88	(80 - 100)	fL
White cell count	7.8	(3.5 - 12.0)	10 ⁹ /L
Neutrophils	4.40	(1.5 - 8.0)	10 ⁹ /L
Lymphocytes	2.00	(1.0 - 4.0)	10 ⁹ /L
Monocytes	0.92 H	(0 - 0.9)	10 ⁹ /L
Eosinophils	0.36	(0 - 0.6)	10 ⁹ /L
Basophils	0.08	(0 - 0.15)	10 ⁹ /L
Platelets	257	(150 - 400)	10 ⁹ /L

Comments on Lab Id: 531813200

Mild monocytosis.

This may be of little clinical significance, or due to intercurrent infection, inflammation or less likely early bone marrow disorder in the elderly. A progress FBE in 3-6 months could be considered to define any chronicity.

HA

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Tests Completed: HDL-Cholesterol, Iron Studies, E/LFT, TPTH, Vitamin B12, Folate (Serum), Homocysteine, HbA1c, FBE, ESR

Tests Pending : Zinc

Sample Pending :

FORBES, HELEN
11 MCANENY STREET, REDCLIFFE. 4020
Phone: 0430248625
Birthdate: 31/01/1975 Sex: F Medicare Number: 4352419424
Your Reference: 20E894E8D3 Lab Reference: 531813200-H-H050
Laboratory: SNP
Addressee: DR MORAY G WILSON Referred by: DR MORAY G WILSON

Name of Test: ESR
Requested: 22/10/2024 Collected: 23/10/2024 Reported: 24/10/2024 04:40

Clinical notes: Not Provided

Clinical Notes : Not Provided

Haematology

ESR

24 H (1 - 12) mm/h

HA

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Tests Completed: HDL-Cholesterol, Iron Studies, E/LFT, TFTH, Vitamin B12,
Folate (Serum), Homocysteine, HbA1c, FBE, ESR

Tests Pending : Zinc
Sample Pending :

FORBES, HELEN
11 MCANENY STREET, REDCLIFFE. 4020
Phone: 0430248625
Birthdate: 31/01/1975 Sex: F Medicare Number: 4352419424
Your Reference: 20E894E8D3 Lab Reference: 531813200-C-B099
Laboratory: SNP
Addressee: DR MORAY G WILSON Referred by: DR MORAY G WILSON

Name of Test: ZINC VIRTUAL
Requested: 22/10/2024 Collected: 23/10/2024 Reported: 24/10/2024 15:40

Clinical notes: Not Provided

Clinical Notes : Not Provided

Zinc

Zinc-plasma 7.7 L (9.0 - 19.0) umol/L

Comments on Lab Id: 531813200

HC

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol, Iron Studies, Zinc, E/LFT, TFTH,
Vitamin B12, Folate (Serum), Homocysteine, HbA1c, FBE, ESR

Tests Pending :
Sample Pending :