

WOOLLEY, SUSAN
 33 STREAMSIDE STREET, WOOLLAMIA. 2540
 Phone: 0447620667
 Birthdate: 01/12/1960 Sex: F Medicare Number: 2401220929
 Your Reference: F09C217BF2 Lab Reference: 488382948-H-ED-HAEMO
 Laboratory: Southern IML Pathology
 Addressee: DR LEI L HTUN Referred by: DR LEI L HTUN

Name of Test: ED- Haematology
 Requested: 30/05/2022 Collected: 30/05/2022 Reported: 30/05/2022
 15:45

Clinical notes: Hypertension , annual check. Fasting.

Clinical Notes : Hypertension , annual check. Fasting.

Haematology

Date	11/11/20	18/01/21	12/10/21	30/05/22		
Time F-Fast	1049 F	1042 F	1104 F	1003 F		
Lab Id.	486364595	486806381	487425440	488382948	Units	Reference
Haemoglobin	160	149	161 H	150	g/L	(119-160)
RCC	5.0	4.8	5.2	4.7	10*12/L	(3.8-5.8)
Haematocrit (0.35-0.48)	0.48	0.46	0.50 H	0.46		
MCV	96	96	96	99	fL	(80-100)
MCH	32	31	31	32	pg	(27-32)
MCHC	335	321	324	324	g/L	(310-360)
RDW	12	12	12	12		(10-15)
WCC	5.2	5.6	6.7	6.4	10*9/L	(4.0-11.0)
Neutrophils	2.5	2.9	3.3	3.3	10*9/L	(2.0-7.5)
Lymphocytes	2.1	2.1	2.7	2.5	10*9/L	(1.0-4.0)
Monocytes	0.5	0.3	0.6	0.5	10*9/L	(0-1.0)
Eosinophils	0.1	0.2	0.1	0.1	10*9/L	(0-0.5)
Basophils	<0.1	<0.1	<0.1	<0.1	10*9/L	(0-0.3)
Platelets	154	146 L	192	146 L	10*9/L	(150-450)

Supervising Pathologist:SA/RR

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: FULL BLOOD COUNT

Tests Pending : LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
 GLUCOSE, IRON STUDIES, Lipids & HDL, Urine Albumin,
 VITAMIN B12, S.FOLATE, Thyroid Function Test, AIC CHECK,
 .HBA1C, URINE MCS1, VITAMIN D3

Sample Pending :

WOOLLEY, SUSAN
 33 STREAMSIDE STREET, WOOLLAMIA. 2540
 Phone: 0447620667
 Birthdate: 01/12/1960 Sex: F Medicare Number: 2401220929
 Your Reference: F09C217BF2 Lab Reference: 488382948-C-SE-
 Laboratory: Southern IML Pathology
 Addressee: DR LEI L HTUN Referred by: DR LEI L HTUN

Name of Test: SE- ROUTINE BIO
 Requested: 30/05/2022 Collected: 30/05/2022 Reported: 30/05/2022
 16:25

Clinical notes: Hypertension , annual check. Fasting.

Clinical Notes : Hypertension , annual check. Fasting.

Routine biochemistry

Date	11/11/20	18/01/21	12/10/21	30/05/22		
Time F-Fast	1049 F	1042 F	1104 F	1003 F		
Lab Id.	486364595	486806381	487425440	488382948	Units	Reference
Fast. Glucose	4.8		5.7	5.6	mmol/L	(3.6-6.0)
Sodium	139	140	141	138	mmol/L	(135-145)
Potassium	4.1	4.1	4.5	4.7	mmol/L	(3.5-5.5)
Chloride	102	103	102	104	mmol/L	(95-110)
Bicarbonate	25	28	31	25	mmol/L	(20-32)
Urea	5.7	5.2	5.6	5.3	mmol/L	(3.0-8.5)
Creat.	82	83	60	65	umol/L	(45-85)
eGFR(CKD.EPI)	68 L	66 L	>90	89 L	mL/min/1.73m2	(>89)
Total Protein	76	69	82 H	72	g/L	(63-80)
Albumin	41	38	44	44	g/L	(33-44)
Globulin	35	31	38	28	g/L	(26-41)
ALP	69	69	78	71	U/L	(30-115)
GGT	28	22	45 H	40 H	U/L	(5-35)
ALT	18	14	26	32 H	U/L	(5-30)
AST	18	16	19	30	U/L	(10-35)
LDH	174	166	183	200	U/L	(120-250)
T Bilirubin	12	10	10	14	umol/L	(3-15)

Comments on Collection 30/05/22 1003 F:

Renal Function

Kidney disease is unlikely at eGFR levels of ≥ 60 mL/min/1.73m², however as the eGFR is ≤ 90 , further investigation may be indicated for those at increased risk. If required, further information can be found at Kidney Health Australia (www.kidney.org.au).

Supervising Pathologist:SM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
 GLUCOSE, Lipids & HDL, FULL BLOOD COUNT, VITAMIN D3
 Tests Pending : IRON STUDIES, Urine Albumin, VITAMIN B12, S.FOLATE,
 Thyroid Function Test, HOLOTRANSCOBALAMIN, AIC CHECK,
 .HBA1C, URINE MCS1
 Sample Pending :

WOOLLEY, SUSAN
 33 STREAMSIDE STREET, WOOLLAMIA. 2540
 Phone: 0447620667
 Birthdate: 01/12/1960 Sex: F Medicare Number: 2401220929
 Your Reference: F09C217BF2 Lab Reference: 488382948-C-SE-LP
 Laboratory: Southern IML Pathology
 Addressee: DR LEI L HTUN Referred by: DR LEI L HTUN

Name of Test: SE-Lipids & HDL
 Requested: 30/05/2022 Collected: 30/05/2022 Reported: 30/05/2022
 16:25

Clinical notes: Hypertension , annual check. Fasting.

Clinical Notes : Hypertension , annual check. Fasting.

Date	22/07/20	18/01/21	12/10/21	30/05/22		
Time F-Fast	1113	1042 F	1104 F	1003 F		
Lab Id.	486291967	486806381	487425440	488382948	Units	Reference
Status		Fasting	Fasting	Fasting		
Cholesterol (2.30-5.50)	5.70 H	5.30	6.21 H	5.58 H	mmol/L	
Triglyceride (0.00-2.00)	1.13	1.96	2.43 H	1.32	mmol/L	
HDL (1.00-3.00)	1.70	1.30	1.48	1.39	mmol/L	
Chol/HDL Ratio	3.4	4.1	4.2	4.0	mmol/L	(0-4.5)
LDL	3.5	3.1	3.6 H	3.6 H	mmol/L	(0.0-3.50)
Non HDLC	4.00 H	4.00 H	4.73 H	4.19 H	mmol/L	(<4.00)

Comments on Collection 30/05/22 1003 F:

Lipids & HDL

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

The National Vascular Disease Prevention Alliance (NVDPA) guidelines recommend a target level of less than 2.5 mmol/L for non-HDL. Compared to other lipid parameters, increased non-HDL is the most significant marker for subclinical atherosclerosis.
 (ref: Cardiology Today 2013; 3(2): pp25-27).

Supervising Pathologist:SM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,

GLUCOSE, Lipids & HDL, FULL BLOOD COUNT, VITAMIN D3

Tests Pending : IRON STUDIES, Urine Albumin, VITAMIN B12, S.FOLATE,
 Thyroid Function Test, HOLOTRANSCOBALAMIN, AIC CHECK,
 .HBA1C, URINE MCS1

Sample Pending :

WOOLLEY, SUSAN
33 STREAMSIDE STREET, WOOLLAMIA. 2540
Phone: 0447620667
Birthdate: 01/12/1960 Sex: F Medicare Number: 2401220929
Your Reference: F09C217BF2 Lab Reference: 488382948-C-SE-VTD
Laboratory: Southern IML Pathology
Addressee: DR LEI L HTUN Referred by: DR LEI L HTUN

Name of Test: SE-VITAMIN D3
Requested: 30/05/2022 Collected: 30/05/2022 Reported: 30/05/2022
16:25

Clinical notes: Hypertension , annual check. Fasting.

Clinical Notes : Hypertension , annual check. Fasting.

Date	22/07/20	11/11/20	12/10/21	30/05/22	
Time F-Fast	1113	1049 F	1104 F	1003 F	
Lab Id.	486291967	486364595	487425440	488382948	Units Reference
Vit D	39 L	59	38 L	47 L	nmol/L (50-375)

Comments on Collection 30/05/22 1003 F:
VITAMIN D3

The results show continuing Vitamin D deficiency.

Repeat testing should be undertaken 2 - 3 months after the commencement of any treatment (e.g. supplementation or increased sun exposure).

Supervising Pathologist:SM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, Lipids & HDL, FULL BLOOD COUNT, VITAMIN D3
Tests Pending : IRON STUDIES, Urine Albumin, VITAMIN B12, S. FOLATE,
Thyroid Function Test, HOLOTRANSCOBALAMIN, A1C CHECK,
.HBA1C, URINE MCS1
Sample Pending :

WOOLLEY, SUSAN
33 STREAMSIDE STREET, WOOLLAMIA. 2540
Phone: 0447620667
Birthdate: 01/12/1960 Sex: F Medicare Number: 2401220929
Your Reference: F09C217BF2 Lab Reference: 488382948-C-ED-.HBA1C
Laboratory: Southern IML Pathology
Addressee: DR LEI L HTUN Referred by: DR LEI L HTUN

Name of Test: ED-.HBA1C
Requested: 30/05/2022 Collected: 30/05/2022 Reported: 30/05/2022
16:45

Clinical notes: Hypertension , annual check. Fasting.

Clinical Notes : Hypertension , annual check. Fasting.

Date	19/04/18	22/07/20	30/05/22		
Time F-Fast	1203	1113	1003 F		
Lab Id.	484696302	486291967	488382948	Units	Reference
HbA1c screen	5.4	5.4	5.7	%	(4.0-6.0)
HbA1c (IFCC)	36	36	38	mmol/mol	(20-42)

Comments on Collection 30/05/22 1003 F:
.HBA1C

An HbA1c test result of < 6.5% (48 mmol/mol) in patients with normal red blood cell turnover indicates that diabetes is unlikely however if the patients is at high risk of undiagnosed diabetes this test should be repeated 12 months later. (Ref: MJA 197/4:220-221).

Note: HbA1c is not suitable for diagnosis of acute onset Type 1 or Gestational Diabetes. A glucose tolerance test is recommended. The Medicare item for HbA1C for diagnostic testing is limited to one per 12 months.

Measurement change from HPLC - Bio-Rad D100 to Capillary Electrophoresis - Sebia Capillarys 3 Tera on 6.4.22

Supervising Pathologist:SM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, Lipids & HDL, .HBA1C, FULL BLOOD COUNT, VITAMIN D3
Tests Pending : IRON STUDIES, Urine Albumin, VITAMIN B12, S.FOLATE,
Thyroid Function Test, HOLOTRANSCOBALAMIN, URINE MCS1
Sample Pending :

WOOLLEY, SUSAN
33 STREAMSIDE STREET, WOOLLAMIA. 2540
Phone: 0447620667
Birthdate: 01/12/1960 Sex: F Medicare Number: 2401220929
Your Reference: F09C217BF2 Lab Reference: 488382948-C-U-013
Laboratory: Southern IML Pathology
Addressee: DR LEI L HTUN Referred by: DR LEI L HTUN

Name of Test: U_RANDOM URINE
Requested: 30/05/2022 Collected: 30/05/2022 Reported: 30/05/2022
17:05

Clinical notes: Hypertension , annual check. Fasting.

Clinical Notes : Hypertension , annual check. Fasting.

RANDOM URINE CHEMISTRY

Date	23/07/20	12/10/21	30/05/22		
Time F-Fast	1413	1104 F	1003 F		
Lab Id.	486292371	487425440	488382948	Units	Reference
R-U-Creatinine	10.5	10.3	10.9	mmol/L	
R-U-Albumin	3	8	4	mg/L	(0-20)
Alb/Creat Ratio	0.3	0.8	0.4	mg/mmol	(0-3.5)

Supervising Pathologist:SM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, Lipids & HDL, Urine Albumin, .HBA1C,
FULL BLOOD COUNT, VITAMIN D3
Tests Pending : IRON STUDIES, VITAMIN B12, S.FOLATE,
Sample Pending : Thyroid Function Test, HOLOTRANSCOBALAMIN, URINE MCS1

WOOLLEY, SUSAN
33 STREAMSIDE STREET, WOOLLAMIA. 2540
Phone: 0447620667
Birthdate: 01/12/1960 Sex: F Medicare Number: 2401220929
Your Reference: F09C217BF2 Lab Reference: 488382948-M-U-URM
Laboratory: Southern IML Pathology
Addressee: DR LEI L HTUN Referred by: DR LEI L HTUN

Name of Test: U-URINE MCS1
Requested: 30/05/2022 Collected: 30/05/2022 Reported: 30/05/2022
17:05

Clinical notes: Hypertension , annual check. Fasting.

Clinical Notes : Hypertension , annual check. Fasting.

Urine Microbiology

Specimen type	Urine		
Chemistry			
Protein	Nil	Blood	Nil
Glucose	Nil	Ketones	Nil
Urobilinogen		Bilirubin	Nil
pH	6.5		
Microscopy			
Leucocytes	H 12	x10*6/L	(<10)
Erythrocytes	0	x10*6/L	(<10)
Squam Epi Cells	78	x10*6/L	
Hyaline casts	Nil		
Granular casts	Nil		

Culture Culture proceeding

Supervising Pathologist:CK

*** The above result is provisional. Finalised report to follow. ***

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, Lipids & HDL, Urine Albumin, .HBA1C,
FULL BLOOD COUNT, VITAMIN D3
Tests Pending : IRON STUDIES, VITAMIN B12, S.FOLATE,
Thyroid Function Test, HOLOTRANSCOBALAMIN, URINE MCS1
Sample Pending :

WOOLLEY, SUSAN
33 STREAMSIDE STREET, WOOLLAMIA. 2540
Phone: 0447620667
Birthdate: 01/12/1960 Sex: F Medicare Number: 2401220929
Your Reference: F09C217BF2 Lab Reference: 488382948-C-SE-IRN
Laboratory: Southern IML Pathology
Addressee: DR LEI L HTUN Referred by: DR LEI L HTUN

Name of Test: SE-IRON STUDIES
Requested: 30/05/2022 Collected: 30/05/2022 Reported: 30/05/2022
17:25

Clinical notes: Hypertension , annual check. Fasting.

Clinical Notes : Hypertension , annual check. Fasting.

IRON

Date	19/09/18	18/03/19	30/05/22		
Time F-Fast	1032 F	1404	1003 F		
Lab Id.	484955568	485402591	488382948	Units	Reference
Iron					
Transferrin			20.4	umol/L	(8.8-27.0)
Trans Sat			2.8	g/L	(2.0-3.2)
Ferritin	189	232 H	32	%	(10-45)
			253 H	ug/L	(30-210)

Ferritin N.B Ferritin range change 28/04/17

Comments on Collection 30/05/22 1003 F:

Iron Studies

Mildly elevated ferritin levels may be due to metabolic syndrome, inflammation or alcohol.

Supervising Pathologist:SM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, IRON STUDIES, Lipids & HDL, Urine Albumin,
VITAMIN B12, S.FOLATE, Thyroid Function Test,
HOLOTRANSCOBALAMIN, .HBA1C, FULL BLOOD COUNT, VITAMIN D3

Tests Pending : URINE MCS1

Sample Pending :

WOOLLEY, SUSAN
33 STREAMSIDE STREET, WOOLLAMIA. 2540
Phone: 0447620667
Birthdate: 01/12/1960 Sex: F Medicare Number: 2401220929
Your Reference: F09C217BF2 Lab Reference: 488382948-C-SE-Haematinics
Laboratory: Southern IML Pathology
Addressee: DR LEI L HTUN Referred by: DR LEI L HTUN

Name of Test: SE-Haematinics
Requested: 30/05/2022 Collected: 30/05/2022 Reported: 30/05/2022
17:25

Clinical notes: Hypertension , annual check. Fasting.

Clinical Notes : Hypertension , annual check. Fasting.

Iron/B12/Folate

Date	18/03/19	22/07/20	12/10/21	30/05/22		
Time F-Fast	1404	1113	1104 F	1003 F		
Lab Id.	485402591	486291967	487425440	488382948	Units	Reference
Vitamin B12		491	283	308	pmol/L	(>177)
Folate		27.6		35.9	nmol/L	(>6.0)
Active B12			109	100	pmol/L	(>35)

Vitamin B12 High dose Biotin (5mg/day) may interfere with these tests.
FOLATE SERUM Range change 22/09/16

Comments on Collection 30/05/22 1003 F:

Vitamin B12

In line with Medical Benefits Schedule changes from 1st November 2014, people with low or equivocal vitamin B12 results (<350 pmol/L) will be routinely tested for holotranscobalamin (active B12) to clarify their B12 status. Both tests are now Medicare rebateable. Those with vitamin B12 concentrations over 350 pmol/L are generally replete.

FOLATE SERUM

Serum folate is now used as the screen for folate deficiency.

ACTIVE B12

Both active Vitamin B12 (Holo-transcobalamin) and total Vitamin B12 indicate that the patient has normal Vitamin B12 status.

Supervising Pathologist:SM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, IRON STUDIES, Lipids & HDL, Urine Albumin,
VITAMIN B12, S.FOLATE, Thyroid Function Test,
HOLOTRANSCOBALAMIN, HbA1c, FULL BLOOD COUNT, VITAMIN D3

Tests Pending : URINE MCS1

Sample Pending :

WOOLLEY, SUSAN
 33 STREAMSIDE STREET, WOOLLAMIA. 2540
 Phone: 0447620667
 Birthdate: 01/12/1960 Sex: F Medicare Number: 2401220929
 Your Reference: F09C217BF2 Lab Reference: 488382948-C-SE-
 Laboratory: Southern IML Pathology
 Addressee: DR LEI L HTUN Referred by: DR LEI L HTUN
 Name of Test: SE- THYROID FUNCTION
 Requested: 30/05/2022 Collected: 30/05/2022 Reported: 30/05/2022
 17:25

Clinical notes: Hypertension , annual check. Fasting.

Clinical Notes : Hypertension , annual check. Fasting.

TFT

Date	19/09/18	18/03/19	12/10/21	30/05/22		
Time F-Fast	1032 F	1404	1104 F	1003 F		
Lab Id.	484955568	485402591	487425440	488382948	Units	Reference
TSH (0.40-4.00)	0.99	1.0				mIU/L
TSH (0.40-4.00)			1.0	1.2		mIU/L

Comments on Collection 30/05/22 1003 F:
 TFT
 Euthyroid levels.

As of 19.07.2021, TFT measurement changed from the Roche to the Abbott Alinity method.

Supervising Pathologist:SM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
 GLUCOSE, IRON STUDIES, Lipids & HDL, Urine Albumin,
 VITAMIN B12, S.FOLATE, Thyroid Function Test,
 HOLOTRANSCOBALAMIN, .HBA1C, FULL BLOOD COUNT, VITAMIN D3
 Tests Pending : URINE MCS1
 Sample Pending :

WOOLLEY, SUSAN
33 STREAMSIDE STREET, WOOLLAMIA. 2540
Phone: 0447620667
Birthdate: 01/12/1960 Sex: F Medicare Number: 2401220929
Your Reference: F09C217BF2 Lab Reference: 488382948-M-U-URM
Laboratory: Southern IML Pathology
Addressee: DR LEI L HTUN Referred by: DR LEI L HTUN

Name of Test: U-URINE MCS1
Requested: 30/05/2022 Collected: 30/05/2022 Reported: 31/05/2022
11:45

Clinical notes: Hypertension , annual check. Fasting.

Clinical Notes : Hypertension , annual check. Fasting.

Urine Microbiology

Specimen type	Urine			
Chemistry				
Protein	Nil	Blood	Nil	
Glucose	Nil	Ketones	Nil	
Urobilinogen		Bilirubin	Nil	
pH	6.5			
Microscopy				
Leucocytes	H 12	x10*6/L	(	<10)
Erythrocytes	0	x10*6/L	(	<10)
Squam Epi Cells	78	x10*6/L		
Hyaline casts	Nil			
Granular casts	Nil			
Culture	No growth	($<10^6$ cfu/L)		

Comments: 488382948

Pyuria is noted, but the increased numbers of squamous epithelial cells is suggestive of contamination. Suggest repeat MSU.

Supervising Pathologist:CK

FINAL REPORT - Updated on 31/05/2022 at 11:32

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, IRON STUDIES, Lipids & HDL, Urine Albumin,
VITAMIN B12, S. FOLATE, Thyroid Function Test,
HOLOTRANSCOBALAMIN, HbA1c, FULL BLOOD COUNT,
URINE MCS1, VITAMIN D3

Tests Pending :

Sample Pending :