

Investigations:

BUTTLER, LEAH
38 MANTON ST, HEIDELBERG. 3084
Phone: 0409217083
Birthdate: 11/03/2011 **Sex:** F **Medicare Number:** 3366120507
Your Reference: 46FEF032ED **Lab Reference:** 968869226-H-H900
Laboratory: Melbourne Pathology
Addressee: DR CLAIRE SHEERAN **Referred by:** DR CLAIRE SHEERAN

Name of Test: ED-HAEMATOLOGY
Requested: 19/11/2024 **Collected:** 19/11/2024 **Reported:** 20/11/2024 13:48

HAEMATOLOGY - Blood/EDTA

Date	19/11/24		
Time	1428		
Lab Id.	968869226	Units	Reference
HAEMOGLOBIN	136	g/L	(110-160)
Hct	0.42		(0.34-0.47)
RBC	4.8	x10 ¹² /L	(3.8-5.4)
MCV	87	fL	(78-96)
MCH	29	pg	(26-32)
MCHC	328	g/L	(310-360)
RDW	13.7		(11-17)
PLATELETS	386	x 10 ⁹ /L	(150-450)
WHITE CELLS	7.2	x10 ⁹ /L	(4.0-12.0)
Neutrophils	3.9	x10 ⁹ /L	(2.0-8.0)
Lymphocytes	2.3	x10 ⁹ /L	(1.5-5.0)
Monocytes	0.4	x10 ⁹ /L	(0-1.0)
Eosinophils	0.5	x10 ⁹ /L	(0-0.5)
Basophils	0.0	x10 ⁹ /L	(0-0.2)

Unauthorised Report - Completed Report to Follow

Dept Supervising Pathologist: Dr Linda Saravanan

Melbourne Pathology NATA No.:2133

Tests Completed: FBE

Tests Pending : IS,CA,ROCHEft4,TSH,EUC,LFT,PHOS,CRP,VITD,FOL,B12,MG,
MTHFR*,ESR,SECU*,ZN*

Sample Pending :

BUTTLER, LEAH
38 MANTON ST, HEIDELBERG. 3084
Phone: 0409217083
Birthdate: 11/03/2011 **Sex:** F **Medicare Number:** 3366120507
Your Reference: 46FEF032ED **Lab Reference:** 968869226-H-H900
Laboratory: Melbourne Pathology
Addressee: DR CLAIRE SHEERAN **Referred by:** DR CLAIRE SHEERAN

Name of Test: ED-HAEMATOLOGY
Requested: 19/11/2024 **Collected:** 19/11/2024 **Reported:** 20/11/2024 14:48

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Monocytes	0.4	x10 ⁹ /L	(0-1.0)
Eosinophils	0.5	x10 ⁹ /L	(0-0.5)
Basophils	0.0	x10 ⁹ /L	(0-0.2)
ESR	2	mm/hr	(1-10)

Dept Supervising Pathologist: Dr Linda Saravanan

Report 968869226 updated on 20/11/2024 at 14:48: Additional Test(s) Reported:
ERYTHROCYTE SED RATE

**** UPDATED REPORT ****

Melbourne Pathology NATA No.:2133

Tests Completed: FBE,ESR

Tests Pending : IS,CA,ROCHEft4,TSH,EUC,LFT,PHOS,CRP,VITD,FOL,B12,MG,
MTHFR*,SECU*,ZN*

Sample Pending :

BUTTLER, LEAH
38 MANTON ST, HEIDELBERG. 3084
Phone: 0409217083
Birthdate: 11/03/2011 **Sex:** F **Medicare Number:** 3366120507
Your Reference: 46FEF032ED **Lab Reference:** 968869226-C-C010
Laboratory: Melbourne Pathology
Addressee: DR CLAIRE SHEERAN **Referred by:** DR CLAIRE SHEERAN

Name of Test: SE-IRON STUDIES
Requested: 19/11/2024 **Collected:** 19/11/2024 **Reported:** 22/11/2024 07:18

Date	19/11/24		
Time	1428		
Lab Id.	968869226	Units	Reference
S IRON	10	umol/L	(5-25)
S TRF	2.6	g/L	(2.0-3.5)
S TRF SAT	15	%	(5-35)
S FERRITIN	22	ng/mL	(20-200)

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: IS,CA,ROCHEft4,TSH,EUC,LFT,PHOS,CRP,VITD,FOL,B12,MG,
FBE,ESR

Tests Pending : MTHFR*,SECU*,ZN*

Sample Pending :

BUTTLER, LEAH
38 MANTON ST, HEIDELBERG. 3084
Phone: 0409217083
Birthdate: 11/03/2011 **Sex:** F **Medicare Number:** 3366120507
Your Reference: 46FEF032ED **Lab Reference:** 968869226-C-C950
Laboratory: Melbourne Pathology
Addressee: DR CLAIRE SHEERAN **Referred by:** DR CLAIRE SHEERAN

Name of Test: SE- CHEMISTRY
Requested: 19/11/2024 **Collected:** 19/11/2024 **Reported:** 22/11/2024 07:18

MULTIPLE BIOCHEMICAL ANALYSIS - Serum

Date	19/11/24		
Time	1428		
Lab Id.	968869226	Units	Reference
S SODIUM	141	mmol/L	(132-145)
S POTASSIUM	4.7	mmol/L	(3.5-5.5)
S CHLORIDE	106	mmol/L	(95-110)
S BICARB	25	mmol/L	(21-31)
S UREA	3.3	mmol/L	(2.5-6.0)
S CREAT	47	umol/L	(30-70)
S T-BIL	5	umol/L	(3-15)
S ALP	147	U/L	(90-300)
S GGT	6	U/L	(5-30)
S ALT	15	U/L	(5-30)
S AST	19	U/L	(10-35)
S T-PROTEIN	69	g/L	(65-80)
S ALBUMIN	42	g/L	(35-46)
S GLOBULIN	27	g/L	(25-41)
S CALCIUM	2.48	mmol/L	(2.25-2.65)
S CA (Corr)	2.44	mmol/L	(2.25-2.60)
S PHOSPHATE	1.51	mmol/L	(1.0-1.7)
S MAGNESIUM	0.87	mmol/L	(0.65-1.10)

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: IS,CA,ROCHEft4,TSH,EUC,LFT,PHOS,CRP,VITD,FOL,B12,MG,
FBE,ESR

Tests Pending : MTHFR*,SECU*,ZN*

Sample Pending :

BUTTLER, LEAH
38 MANTON ST, HEIDELBERG. 3084
Phone: 0409217083
Birthdate: 11/03/2011 Sex: F Medicare Number: 3366120507
Your Reference: 46FEF032ED Lab Reference: 968869226-C-C187
Laboratory: Melbourne Pathology
Addressee: DR CLAIRE SHEERAN Referred by: DR CLAIRE SHEERAN

Name of Test: SE- THYROID VIRTUAL
Requested: 19/11/2024 Collected: 19/11/2024 Reported: 22/11/2024 07:18

THYROID FUNCTION TESTS - Serum

Date	19/11/24		
Time	1428		
Lab Id.	968869226	Units	Reference
S TSH(Roche)	0.99	mU/L	(0.5-5.0)
S FT4(Roche)	12.4	pmol/L	(11.0-22.0)

Comments on Collection 19/11/24 1428:

TSH

A normal TSH is consistent with a euthyroid state.

FT3 has been requested but is usually not required unless TSH <0.1 mU/L.

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: IS,CA,ROCHEft4,TSH,EUC,LFT,PHOS,CRP,VITD,FOL,B12,MG,
FBE,ESR

Tests Pending : MTHFR*,SECU*,ZN*

Sample Pending :

BUTTLER, LEAH

38 MANTON ST, HEIDELBERG. 3084
Phone: 0409217083
Birthdate: 11/03/2011 **Sex:** F **Medicare Number:** 3366120507
Your Reference: 46FEF032ED **Lab Reference:** 968869226-C-E887
Laboratory: Melbourne Pathology
Addressee: DR CLAIRE SHEERAN **Referred by:** DR CLAIRE SHEERAN

Name of Test: SE-CRP
Requested: 19/11/2024 **Collected:** 19/11/2024 **Reported:** 22/11/2024 07:18

CRP

Date	19/11/24		
Time	1428		
Lab Id.	968869226	Units	Reference
S CRP	<1	mg/L	(<5)

CRP Specimen - Serum

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: IS,CA,ROCHEft4,TSH,EUC,LFT,PHOS,CRP,VITD,FOL,B12,MG,
FBE,ESR

Tests Pending : MTHFR*,SECU*,ZN*

Sample Pending :

BUTTLER, LEAH
38 MANTON ST, HEIDELBERG. 3084
Phone: 0409217083
Birthdate: 11/03/2011 **Sex:** F **Medicare Number:** 3366120507
Your Reference: 46FEF032ED **Lab Reference:** 968869226-C-C316
Laboratory: Melbourne Pathology
Addressee: DR CLAIRE SHEERAN **Referred by:** DR CLAIRE SHEERAN

Name of Test: SE-VITAMIN D
Requested: 19/11/2024 **Collected:** 19/11/2024 **Reported:** 22/11/2024 07:18

Date	19/11/24		
Time	1428		
Lab Id.	968869226	Units	Reference
S 25OH VIT D	67	nmol/L	(50-250)

Comments on Collection 19/11/24 1428:

VITD

Vitamin D levels should ideally be above 50 nmol/L in winter and 70 nmol/L in summer. Levels above 75 nmol/L may be desirable in people with osteoporosis or falls.

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: IS,CA,ROCHEft4,TSH,EUC,LFT,PHOS,CRP,VITD,FOL,B12,MG,
FBE,ESR

Tests Pending : MTHFR*,SECU*,ZN*

Sample Pending :

BUTTLER, LEAH
38 MANTON ST, HEIDELBERG. 3084
Phone: 0409217083
Birthdate: 11/03/2011 **Sex:** F **Medicare Number:** 3366120507

Your Reference: 46FEF032ED **Lab Reference:** 968869226-C-C329
Laboratory: Melbourne Pathology
Addressee: DR CLAIRE SHEERAN **Referred by:** DR CLAIRE SHEERAN

Name of Test: SE-B12/FOLATE VIRT
Requested: 19/11/2024 **Collected:** 19/11/2024 **Reported:** 22/11/2024 07:18

B12/FOLATE - Serum

Date	19/11/24		
Time	1428		
Lab Id.	968869226	Units	Reference
S FOLATE	23.0	nmol/L	(>6.0)
S TOTAL B12	350	pmol/L	(200-700)

Comments on Collection 19/11/24 1428:
B12

High dose biotin (>5 mg/day) may artefactually increase total Vitamin B12 and Folate results obtained by this method. If the patient is taking 5-20 mg/day of biotin, suggest withhold for at least 8 hours before blood test (if taking 300 mg/day, withhold for at least 72 hours).
For clinicians requiring assistance with interpreting this report, a Chemical Pathologist or Clinical Scientist will be available during office hours on (03) 9287 7733.

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: IS,CA,ROCHEfT4,TSH,EUC,LFT,PHOS,CRP,VITD,FOL,B12,MG,FBE,ESR

Tests Pending : MTHFR*,SECU*,ZN*

Sample Pending :

BUTTLER, LEAH
38 MANTON ST, HEIDELBERG. 3084
Phone: 0409217083
Birthdate: 11/03/2011 **Sex:** F **Medicare Number:** 3366120507
Your Reference: 46FEF032ED **Lab Reference:** 968869226-Q-B099
Laboratory: Melbourne Pathology
Addressee: DR CLAIRE SHEERAN **Referred by:** DR CLAIRE SHEERAN

Name of Test: _ZINC VIRTUAL
Requested: 19/11/2024 **Collected:** 19/11/2024 **Reported:** 22/11/2024 14:48

Zinc

Date	19/11/24		
Time	1428		
Lab Id.	968869226	Units	Reference
P-Zinc	13.1	umol/L	(9.0-19.0)

Melbourne Pathology NATA No.:2133

Tests Completed: IS,CA,ROCHEfT4,TSH,EUC,LFT,PHOS,CRP,VITD,FOL,B12,MG,FBE,ESR,ZN*

Tests Pending : MTHFR*,SECU*

Sample Pending :

BUTTLER, LEAH
38 MANTON ST, HEIDELBERG. 3084
Phone: 0409217083
Birthdate: 11/03/2011 **Sex:** F **Medicare Number:** 3366120507

Your Reference: 46FEF032ED **Lab Reference:** 968869226-N-N731
Laboratory: Melbourne Pathology
Addressee: DR CLAIRE SHEERAN **Referred by:** DR CLAIRE SHEERAN

Name of Test: DHM METALS VIRTUAL
Requested: 19/11/2024 **Collected:** 19/11/2024 **Reported:** 26/11/2024 16:48

Date	19/11/24		
Time	1428		
Lab Id.	968869226	Units	Reference
Copper	14	umol/L	(12-22)

Melbourne Pathology NATA No.:2133

Tests Completed: IS,CA,ROCHEft4,TSH,EUC,LFT,PHOS,CRP,VITD,FOL,B12,MG,
FBE,ESR,SECU*,ZN*
Tests Pending : MTHFR*
Sample Pending :

BUTTLER, LEAH
38 MANTON ST, HEIDELBERG. 3084
Phone: 0409217083
Birthdate: 11/03/2011 **Sex:** F **Medicare Number:** 3366120507
Your Reference: 46FEF032ED **Lab Reference:** 968869226-Q-D060
Laboratory: Melbourne Pathology
Addressee: DR CLAIRE SHEERAN **Referred by:** DR CLAIRE SHEERAN

Name of Test: ED-MTHFR GENE*
Requested: 19/11/2024 **Collected:** 19/11/2024 **Reported:** 29/11/2024 16:48

MTHFR Genotyping

Specimen	EDTA Blood
MTHFR C677T	Mutation Not Detected
MTHFR A1298C	Homozygous Mutation Detected

Please note these variants are known as c.665C>T, p.Ala222Val and c.1286A>C, p.Glu429Ala, according to HGVS nomenclature;
RefSeqGene: NM_005957.4.

Comments on Lab Id. 968869226

This patient is homozygous for the A1298C variant of the MTHFR gene (c.1286A>C). This genotype is unlikely to be clinically significant (Hickey et al., Genet Med 2013;15(2):153-156).

Test Information:

Testing was carried out by real-time PCR and melt curve analysis for two variants of the MTHFR gene, c.665C>T (p.Ala222Val, also known as C677T) and c.1286A>C (p.Glu429Ala, also known as A1298C).

As they are typically only carried out once per patient, corroboration of genetic test results should be considered - e.g. by reference to other clinical or laboratory information or by repeat testing.
For clinician enquiries regarding these results, please contact Dr James Harraway (07 3377 8666).

Melbourne Pathology NATA No.:2133

Tests Completed: IS,CA,ROCHEft4,TSH,EUC,LFT,PHOS,CRP,VITD,FOL,B12,MG,
MTHFR*,FBE,ESR,SECU*,ZN*
Tests Pending :
Sample Pending :

