

BRODIE, KARLEY
 14 SUMMERSET AVE, SOUTH NOWRA. 2541
Phone: 0424653361
Birthdate: 29/01/2001 **Sex:** F **Medicare Number:** 2835263032
Your Reference: 30CE10AB4F **Lab Reference:** 495981279-C-SE-
Laboratory: Southern IML Pathology
Addressee: DR ADETOKUNBOH BAMIDELE **Referred by:** DR ADETOKUNBOH BAMIDELE

Name of Test: SE- ROUTINE BIO
Requested: 31/03/2025 **Collected:** 03/04/2025 **Reported:** 03/04/2025 15:39

Clinical notes: Tiredness x 1 year

Clinical Notes : Tiredness x 1 year

Routine biochemistry

Date	Latest Results				Reference	Units
	03-Nov-21	19-Apr-22	11-Oct-22	03-Apr-25		
Time F-Fast	1717	1239 F	0750	1032 F		
Lab Id.	487845572	488432113	488803302	495981279		
Fast. Glucose		5.6		4.5	(3.6-6.0)	mmol/L
Random Glucose	4.6				(3.6-7.7)	mmol/L
Sodium	140	138	141	140	(135-145)	mmol/L
Potassium	3.8	4.3	4.5	4.4	(3.5-5.5)	mmol/L
Chloride	106	104	108	107	(95-110)	mmol/L
Bicarbonate	27	25	24	25	(20-32)	mmol/L
Urea	4.2	2.6	4.4	3.0	(2.5-6.5)	mmol/L
Creat.	75	68	67	53	(45-85)	umol/L
eGFR(CKD.EPI)	>90	>90	>90	>90	(>89)	mL/min/1.73m2
Calcium				2.34	(2.15-2.55)	mmol/L
Ca (corr)				2.22	(2.15-2.55)	mmol/L
Phosphate				1.04	(0.8-1.5)	mmol/L
Mg				0.82	(0.70-1.05)	mmol/L
Total Protein	72	68	66	71	(64-81)	g/L
Albumin	46	47 H	42	46	(33-46)	g/L
Globulin	26	21 L	24 L	25 L	(26-41)	g/L
ALP	81	65	56	48	(20-105)	U/L
GGT	12	14	13	19	(5-35)	U/L
ALT	15	22	17	22	(5-30)	U/L
AST	24	21	20	25	(10-35)	U/L
LDH	178	172	172	202	(120-250)	U/L
T Bilirubin	6	8	8	8	(3-15)	umol/L

Comments on Collection 03-Apr-25 1032 F:
 Renal Function
 Note: eGFR units are mL/min/1.73m2.

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES,
 GLUCOSE,PHOSPHATE,Lipids & HDL, CALCIUM(CORR),
 MAGNESIUM,FULL BLOOD COUNT
 Tests Pending : IRON STUDIES,VITAMIN B12,S.FOLATE,
 Thyroid Function Test,AIC CHECK,.HBA1C,VITAMIN D3
 Sample Pending :

BRODIE, KARLEY
 14 SUMMERSET AVE, SOUTH NOWRA. 2541
Phone: 0424653361
Birthdate: 29/01/2001 **Sex:** F **Medicare Number:** 2835263032
Your Reference: 30CE10AB4F **Lab Reference:** 495981279-C-SE-LP
Laboratory: Southern IML Pathology
Addressee: DR ADETOKUNBOH BAMIDELE **Referred by:** DR ADETOKUNBOH BAMIDELE

Name of Test: SE-Lipids & HDL
Requested: 31/03/2025 **Collected:** 03/04/2025 **Reported:** 03/04/2025 15:39

Clinical notes: Tiredness x 1 year

Clinical Notes : Tiredness x 1 year

Latest Results			
03-Apr-25			
1032 F			
Date	495981279	Reference	Units
Time F-Fast			
Lab Id.			
Status	Fasting		
Cholesterol	4.64	(<5.5)	mmol/L
Triglyceride	0.49	(<2.0)	mmol/L
HDL	1.49	(>1.2)	mmol/L
Chol/HDL Ratio	3.1	(<4.5)	mmol/L
LDL	2.9	(<3.0)	mmol/L
Non HDLC	3.15	(<4.0)	mmol/L

Comments on Collection 03-Apr-25 1032 F:
 Lipids & HDL
Population-based decision limits
 Total Cholesterol <5.5 mmol/L
 Triglycerides <2.0 mmol/L
 HDL Cholesterol >1.2 mmol/L
 LDL Cholesterol <3.0 mmol/L
 Non-HDL Cholesterol <4.0 mmol/L
 The decision limits quoted above are not population reference intervals or clinical action limits. Values greater than the decision limits may be taken as an indication to review the absolute cardiovascular risk of the patient. For assessment of absolute cardiovascular disease risk, please see www.cvdcheck.org.au

Target levels for high risk individuals
 In high risk individuals (e.g. known coronary heart and other arterial disease, diabetes, chronic renal failure, Aboriginal and Torres Strait Islander peoples and familial hyperlipidaemic conditions) NVDPA treatment target levels are:
 Total Cholesterol <4.0 mmol/L
 Triglycerides <2.0 mmol/L
 HDL Cholesterol >1.0 mmol/L
 LDL Cholesterol <1.8 mmol/L
 Non-HDL Cholesterol <2.5 mmol/L
 In diabetics, the National Heart Foundation recommends 6-monthly progress lipid levels. Diabetic patients meet the PBS qualifying criteria for lipid-lowering therapy.
 NVDPA = National Vascular Disease Prevention Alliance

Supervising Pathologist:SM

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Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES, GLUCOSE,PHOSPHATE,Lipids & HDL, CALCIUM(CORR), MAGNESIUM,FULL BLOOD COUNT

Tests Pending : IRON STUDIES,VITAMIN B12,S.FOLATE, Thyroid Function Test,AIC CHECK,.HBA1C,VITAMIN D3

Sample Pending :

BRODIE, KARLEY
 14 SUMMERSET AVE, SOUTH NOWRA. 2541
Phone: 0424653361
Birthdate: 29/01/2001 **Sex:** F **Medicare Number:** 2835263032
Your Reference: 30CE10AB4F **Lab Reference:** 495981279-H-ED-_HAEMO
Laboratory: Southern IML Pathology
Addressee: DR ADETOKUNBOH BAMIDELE **Referred by:** DR ADETOKUNBOH BAMIDELE

Name of Test: ED- Haematology
Requested: 31/03/2025 **Collected:** 03/04/2025 **Reported:** 03/04/2025 15:39

Clinical notes: Tiredness x 1 year

Clinical Notes : Tiredness x 1 year

Haematology

Date	Latest Results					
	11-Oct-22	20-Feb-23	07-Jun-24	03-Apr-25		
Time F-Fast	0750	1344	1518	1032 F		
Lab Id.	488803302	489118924	495286357	495981279	Reference	Units
Haemoglobin	137	135	134	138	(119-160)	g/L
RCC	4.6	4.5	4.5	4.6	(3.8-5.8)	10*12/L
Haematocrit	0.41	0.41	0.40	0.41	(0.35-0.48)	
MCV	88	89	87	89	(80-100)	fL
MCH	30	30	30	30	(27-32)	pg
MCHC	336	333	338	337	(310-360)	g/L
RDW	12	12	12	12	(10-15)	
WCC	4.3	4.5	4.8	4.2	(4.0-11.0)	10*9/L
Neutrophils	1.8 L	2.2	2.4	2.3	(2.0-7.5)	10*9/L
Lymphocytes	1.8	1.7	1.8	1.4	(1.0-4.0)	10*9/L
Monocytes	0.5	0.5	0.5	0.5	(0-1.0)	10*9/L
Eosinophils	<0.1	<0.1	0.1	<0.1	(0-0.5)	10*9/L
Basophils	<0.1	<0.1	<0.1	<0.1	(0-0.3)	10*9/L
Platelets	216	200	261	225	(150-450)	10*9/L

Supervising Pathologist:SA/RR

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES,
 GLUCOSE,PHOSPHATE,Lipids & HDL, CALCIUM(CORR),
 MAGNESIUM,FULL BLOOD COUNT
 Tests Pending : IRON STUDIES,VITAMIN B12,S.FOLATE,
 Thyroid Function Test,AIC CHECK,.HBA1C,VITAMIN D3
 Sample Pending :

BRODIE, KARLEY
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Phone: 0424653361
Birthdate: 29/01/2001 **Sex:** F **Medicare Number:** 2835263032
Your Reference: 30CE10AB4F **Lab Reference:** 495981279-C-ED-.HBA1C
Laboratory: Southern IML Pathology
Addressee: DR ADETOKUNBOH BAMIDELE **Referred by:** DR ADETOKUNBOH BAMIDELE

Name of Test: ED-.HBA1C
Requested: 31/03/2025 **Collected:** 03/04/2025 **Reported:** 03/04/2025 16:09

Clinical notes: Tiredness x 1 year

Clinical Notes : Tiredness x 1 year

		Latest Results			
Date		29-Mar-17	19-Apr-22	03-Apr-25	
Time F-Fast		1450	1239 F	1032 F	
Lab Id.		483975164	488432113	495981279	Reference Units
HbA1c screen		4.8	5.0	4.8	(4.0-6.0) %
HbA1c (IFCC)		29	31	29	(20-42) mmol/mol

Comments on Collection 03-Apr-25 1032 F:
 .HBA1C
 The existing diagnostic criteria for fasting and random glucose levels and for oral glucose tolerance testing remain valid, and are the diagnostic tests of choice for gestational diabetes, type 1 diabetes and in the presence of conditions that interfere with HbA1c measurement. Conditions which may affect the measured HbA1c value include any of the haemolytic anaemias, anaemia of chronic disease, severe liver disease, vitamin B12 and/or folate deficiency, the haemoglobinopathies and regular phlebotomy performed for medical indications or for blood donation. It also should be noted that further investigation is required for any inexplicably low HbA1c level or significant discrepancy between HbA1c and glucose results.

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

Supervising Pathologist:SM

SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES, GLUCOSE,PHOSPHATE,Lipids & HDL, CALCIUM(CORR), MAGNESIUM,.HBA1C,FULL BLOOD COUNT,VITAMIN D3
 Tests Pending : IRON STUDIES,VITAMIN B12,S.FOLATE,Thyroid Function Test
 Sample Pending :

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Phone: 0424653361
Birthdate: 29/01/2001 **Sex:** F **Medicare Number:** 2835263032
Your Reference: 30CE10AB4F **Lab Reference:** 495981279-C-SE-VTD
Laboratory: Southern IML Pathology
Addressee: DR ADETOKUNBOH BAMIDELE **Referred by:** DR ADETOKUNBOH BAMIDELE

Name of Test: SE-VITAMIN D3
Requested: 31/03/2025 **Collected:** 03/04/2025 **Reported:** 03/04/2025 16:09

Clinical notes: Tiredness x 1 year

Clinical Notes : Tiredness x 1 year

		Latest Results			
Date		29-Mar-17	19-Apr-22	03-Apr-25	
Time F-Fast		1450	1239 F	1032 F	
Lab Id.		483975164	488432113	495981279	Reference Units
Vit D		62	82	61	(50-375) nmol/L

Comments on Collection 03-Apr-25 1032 F:
 VITAMIN D3
 Vitamin D Status 25-OH Vitamin D nmol/L
 Indeterminate 50 - 75
 Mild Deficiency 30 - 49
 Moderate Deficiency 12.5 - 29
 Severe Deficiency <12.5

The results show Indeterminate Vitamin D status.
 If treatment is undertaken, repeat testing should be performed in 3 months.
 Over 40% of all people living on the South Coast of NSW presenting for the first time for Vitamin D testing (at the end of winter) show deficiency and on average in any season of the year over 30% are Vitamin D deficient.

Low sun exposure is the main cause of deficiency - living or working indoors, residing in the southern latitudes of Australia, covering up exposed skin and avoiding outdoor activities are contributing factors. Vitamin D deficiency is a major contributing factor to demineralising bone disease such as osteoporosis. As well, recent research shows that it may be associated with other chronic diseases, including certain cancers and autoimmune diseases.

Supervising Pathologist:SM
 SOUTHERN.IML PATHOLOGY, NATA ACCREDITATION NO:2760

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES, GLUCOSE,PHOSPHATE,Lipids & HDL, CALCIUM(CORR), MAGNESIUM,.HBA1C,FULL BLOOD COUNT,VITAMIN D3
 Tests Pending : IRON STUDIES,VITAMIN B12,S.FOLATE,Thyroid Function Test
 Sample Pending :

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Phone: 0424653361
Birthdate: 29/01/2001 **Sex:** F **Medicare Number:** 2835263032
Your Reference: 30CE10AB4F **Lab Reference:** 495981279-C-SE-_IRN
Laboratory: Southern IML Pathology
Addressee: DR ADETOKUNBOH BAMIDELE **Referred by:** DR ADETOKUNBOH BAMIDELE

Name of Test: SE-_IRON STUDIES
Requested: 31/03/2025 **Collected:** 03/04/2025 **Reported:** 03/04/2025 16:39

Clinical notes: Tiredness x 1 year

Clinical Notes : Tiredness x 1 year

IRON

Date	Latest Results					
	11-Oct-22	20-Feb-23	07-Jun-24	03-Apr-25		
Time F-Fast	0750	1344	1518	1032 F		
Lab Id.	488803302	489118924	495286357	495981279	Reference	Units
Iron	21.7		19.6	26.7	(8.8-27.0)	umol/L
Transferrin	2.4		2.2	2.2	(2.0-3.6)	g/L
Trans Sat	40		39	53 H	(10-45)	%
Ferritin	29 L	217 H	160	114	(30-160)	ug/L

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

Comments on Collection 03-Apr-25 1032 F:
 Iron Studies
 Marginally increased transferrin saturation noted.
 Recommend follow up iron studies.

Supervising Pathologist:SM

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Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES,
 GLUCOSE,PHOSPHATE,IRON STUDIES,Lipids & HDL,
 CALCIUM(CORR),MAGNESIUM,VITAMIN B12,S.FOLATE,
 Thyroid Function Test,.HbA1c,FULL BLOOD COUNT,VITAMIN D3

Tests Pending :
 Sample Pending :

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Phone: 0424653361
Birthdate: 29/01/2001 **Sex:** F **Medicare Number:** 2835263032
Your Reference: 30CE10AB4F **Lab Reference:** 495981279-C-SE- Haematinics
Laboratory: Southern IML Pathology
Addressee: DR ADETOKUNBOH BAMIDELE **Referred by:** DR ADETOKUNBOH BAMIDELE

Name of Test: SE- Haematinics
Requested: 31/03/2025 **Collected:** 03/04/2025 **Reported:** 03/04/2025 16:39

Clinical notes: Tiredness x 1 year

Clinical Notes : Tiredness x 1 year

Iron/B12/Folate				Latest Results		
Date	11-Oct-22	20-Feb-23	07-Jun-24	03-Apr-25		
Time F-Fast	0750	1344	1518	1032 F		
Lab Id.	488803302	489118924	495286357	495981279	Reference	Units
Vitamin B12	296			478	(>177)	pmol/L
Folate	37.6			31.8	(>6.0)	nmol/L
Active B12	114				(>35)	pmol/L

Vitamin B12 High dose Biotin (5mg/day) may interfere with these tests.

Comments on Collection 03-Apr-25 1032 F:
 FOLATE SERUM
 Serum folate is now used as the screen for folate deficiency.

Supervising Pathologist:SM
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 GLUCOSE,PHOSPHATE,IRON STUDIES,Lipids & HDL,
 CALCIUM(CORR),MAGNESIUM,VITAMIN B12,S.FOLATE,
 Thyroid Function Test,.HBA1C,FULL BLOOD COUNT,VITAMIN D3

Tests Pending :
 Sample Pending :

BRODIE, KARLEY
 14 SUMMERSET AVE, SOUTH NOWRA. 2541
Phone: 0424653361
Birthdate: 29/01/2001 **Sex:** F **Medicare Number:** 2835263032
Your Reference: 30CE10AB4F **Lab Reference:** 495981279-C-SE-
Laboratory: Southern IML Pathology
Addressee: DR ADETOKUNBOH BAMIDELE **Referred by:** DR ADETOKUNBOH BAMIDELE

Name of Test: SE- THYROID FUNCTION
Requested: 31/03/2025 **Collected:** 03/04/2025 **Reported:** 03/04/2025 16:39

Clinical notes: Tiredness x 1 year

Clinical Notes : Tiredness x 1 year

TFT

	Latest Results					
Date	06-Jun-22	11-Oct-22	20-Feb-23	03-Apr-25		
Time F-Fast	1455	0750	1344	1032 F		
Lab Id.	488565537	488803302	489118924	495981279	Reference	Units
TSH	0.77	1.9	1.0	0.88	(0.40-3.50)	mIU/L
Free T4			12.5		(9.0-19.0)	pmol/L

Comments on Collection 03-Apr-25 1032 F:
 TFT
 Euthyroid levels.

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

Supervising Pathologist:SM

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 GLUCOSE,PHOSPHATE,IRON STUDIES,Lipids & HDL,
 CALCIUM(CORR),MAGNESIUM,VITAMIN B12,S.FOLATE,
 Thyroid Function Test,.HBA1C,FULL BLOOD COUNT,VITAMIN D3

Tests Pending :
 Sample Pending :