

Patient Name: CARTER, NICOLA  
 Patient Address: 18 COOMASSIE AVE, FAULCONBRIDGE 2776  
 D.O.B: 31/10/1960  
 Medicare No.: 2173120538  
 Lab. Reference: 891401288-C-Biochemi  
 Addressee: DR ZONITA LUPISAN  
 Gender: F  
 IHI No.:  
 Provider: Douglass Hanly Moir Pathology  
 Referred by: Dr Zonita Lupisan  
 Date Requested: 30/10/2024  
 Date Collected: 7/11/2024  
 Specimen:  
 Subject/Test Name: BIOCHEMISTRY  
 Clinical Information:  
 Date Performed: 7/11/2024  
 Complete: Final

Clinical Notes : NO HISTORY

#### BIOCHEMISTRY

Date	03/01/23	23/09/23	15/04/24	07/11/24		
Time F-Fast	1233 F	0946 F	1221 F	1109 F		
Lab ID	884715547	834944728	838919409	891401288	Units	Reference
Status	Fasting	Fasting	Fasting	Fasting		
Sodium	145	142	142	141	mmol/L	(135-145)
Potassium	4.0	4.4	4.6	4.9	mmol/L	(3.5-5.5)
Chloride	110	H 111	H 111	106	mmol/L	(95-110)
Bicarbonate	25	23	25	24	mmol/L	(20-32)
Urea	4.7	6.6	7.2	H 9.6	mmol/L	(3.0-8.5)
Creatinine	60	50	60	65	umol/L	(45-85)
eGFR	>90	>90	>90	88	mL/min/1.73m2	(>59)
Calcium	2.46	2.32	2.33	2.50	mmol/L	(2.15-2.55)
Corr Calcium	2.32	2.30	2.23	2.40	mmol/L	(2.15-2.55)
Magnesium	0.84	0.84	0.84	0.97	mmol/L	(0.65-1.00)
Phosphate	1.21	1.05	1.19	H 1.58	mmol/L	(0.8-1.5)
Bili.Total	H 25	H 19	H 20	H 18	umol/L	(3-15)
ALP	87	84	95	114	U/L	(30-115)
GGT	17	16	19	23	U/L	(5-35)
LD	H 256	H 264	229	241	U/L	(120-250)
AST	22	25	28	24	U/L	(10-35)
ALT	14	17	22	19	U/L	(5-30)
Total Protein	72	67	71	73	g/L	(64-83)
Albumin	H 50	44	H 48	H 48	g/L	(36-47)
Globulin	L 22	23	23	25	g/L	(23-39)
Cholesterol	5.0	5.2	H 5.7	H 6.0	mmol/L	(<5.5)
Triglycerides	1.4	1.1	0.8	1.1	mmol/L	(<2.0)

Comments on Collection 07/11/24 1109 F:  
 eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see [www.kidney.org.au](http://www.kidney.org.au)

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Glu(s), Phos(s),  
 Lipids HDL(s), Ca(s), CRP(s), Mg(s), FBC(e), ESR(e)  
 Tests Pending : Fol(s), Iron(s), Vit D(s), TSH(s), Active B12(s), HbA1c Diag(e)  
 Sample Pending :

Patient Name: CARTER, NICOLA  
 Patient Address: 18 COOMASSIE AVE, FAULCONBRIDGE 2776  
 D.O.B: 31/10/1960  
 Medicare No.: 2173120538  
 Lab. Reference: 891401288-C-CRP  
 Addressee: DR ZONITA LUPISAN  
 Gender: F  
 IHI No.:  
 Provider: Douglass Hanly Moir Pathology  
 Referred by: Dr Zonita Lupisan  
 Date Requested: 30/10/2024  
 Date Collected: 7/11/2024  
 Specimen:  
 Subject(Test Name): CRP(S)  
 Clinical Information:

Date Performed: 7/11/2024  
 Complete: Final

Clinical Notes : NO HISTORY

Date	06/08/22	07/11/24		
Time F-Fast	1127 F	1109 F		
Lab ID	882024407	891401288	Units	Reference
CRP	0.7	0.6	mg/L	(0.0-5.0)

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), E(s), Glu(s), Phos(s), Lipids HDL(s), CRP(s),  
 Mg(s), FBC(e), ESR(e)  
 Tests Pending : Fol(s), UCreat(s), Iron(s), Ca(s), Vit D(s), TSH(s),  
 Active B12(s), HbA1c Diag(e)  
 Sample Pending :

Patient Name: CARTER, NICOLA  
 Patient Address: 18 COOMASSIE AVE, FAULCONBRIDGE 2776  
 D.O.B: 31/10/1960  
 Medicare No.: 2173120538  
 Lab. Reference: 891401288-C-Iron Stu  
 Addressee: DR ZONITA LUPISAN  
 Gender: F  
 IHI No.:  
 Provider: Douglass Hanly Moir Pathology  
 Referred by: Dr Zonita Lupisan  
 Date Requested: 30/10/2024  
 Date Collected: 7/11/2024  
 Specimen:  
 Subject/Test Name: IRON STUDIES  
 Clinical Information:  
 Date Performed: 7/11/2024  
 Complete: Final

Clinical Notes : NO HISTORY

#### IRON

Date	03/01/23	23/09/23	15/04/24	07/11/24		
Time F-Fast	1233 F	0946 F	1221 F	1109 F		
Lab ID	884715547	834944728	838919409	891401288	Units	Reference
Iron	14.8	10.6	16.7	11.7	umol/L	(5.0-30.0)
Transferrin	2.6	2.5	2.8	3.0	g/L	(2.0-3.2)
TIBC (Calc)	58	56	62	66	umol/L	(46-70)
Saturation	26	19	27	18	%	(10-45)
Ferritin	65	46	65	48	ug/L	(30-300)

NATA Accreditation No 2178

Tests Completed: Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(s), Phos(s),  
 Iron(s), Lipids HDL(s), Ca(s), CRP(s), Mg(s), Vit D(s),  
 TSH(s), Active B12(s), FBC(e), ESR(e)  
 Tests Pending : HbA1c Diag(e)  
 Sample Pending :

Patient Name: CARTER, NICOLA  
 Patient Address: 18 COOMASSIE AVE, FAULCONBRIDGE 2776  
 D.O.B: 31/10/1960  
 Medicare No.: 2173120538  
 Lab. Reference: 891401288-E-Vitamin  
 Addressee: DR ZONITA LUPISAN  
 Date Requested: 30/10/2024  
 Date Collected: 7/11/2024  
 Specimen:  
 Subject/Test Name: B12/FOLATE/RCF  
 Clinical Information:

Gender: F  
 IHI No.:  
 Provider: Douglass Hanly Moir Pathology  
 Referred by: Dr Zonita Lupisan  
 Date Performed: 7/11/2024  
 Complete: Final

Clinical Notes : NO HISTORY

VIT B12 & FOLATE

Date	03/01/23	23/09/23	15/04/24	07/11/24		
Time F-Fast	1233 F	0946 F	1221 F	1109 F		
Lab ID	884715547	834944728	838919409	891401288	Units	Reference
Vitamin B12	306		392		pmol/L	(135-650)
Active B12	42	64	83	111	pmol/L	(>35)
S.Fol (Abbott)	38.6	29.8	34.4	30.4	nmol/L	(>7.0)

NATA Accreditation No 2178

Tests Completed: Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(s), Phos(s),  
 Iron(s), Lipids HDL(s), Ca(s), CRP(s), Mg(s), Vit D(s),  
 TSH(s), Active B12(s), FBC(e), ESR(e)  
 Tests Pending : HbA1c Diag(e)  
 Sample Pending :

Patient Name: CARTER, NICOLA  
 Patient Address: 18 COOMASSIE AVE, FAULCONBRIDGE 2776  
 D.O.B: 31/10/1960  
 Medicare No.: 2173120538  
 Lab. Reference: 891401288-C-VITD  
 Addressee: DR ZONITA LUPISAN  
 Gender: F  
 IHI No.:  
 Provider: Douglass Hanly Moir Pathology  
 Referred by: Dr Zonita Lupisan  
 Date Requested: 30/10/2024  
 Date Collected: 7/11/2024  
 Specimen:  
 Subject/Test Name: VIT D(S)  
 Clinical Information:

Date Performed: 7/11/2024  
 Complete: Final

Clinical Notes : NO HISTORY

Date	03/01/23	23/09/23	15/04/24	07/11/24		
Time F-Fast	1233 F	0946 F	1221 F	1109 F		
Lab ID	884715547	834944728	838919409	891401288	Units	Reference
Vitamin D	74	56	86	69	nmol/L	(50-140)

Comments on Collection 07/11/24 1109 F:  
 According to the Position Statement 'Vitamin D and health in adults in Australia and New Zealand' MJA, 196(11):686-687, 2012, Vitamin D status is defined as:

Mild Deficiency	30	-	49 nmol/L
Moderate Deficiency	12.5	-	29 nmol/L
Severe Deficiency	<12.5		nmol/L

Vitamin D adequacy can be defined as a level >49 nmol/L at the end of winter - the level may need to be 10 - 20 nmol/L higher at the end of summer, to allow for seasonal decrease.  
 From 1st November 2014, Medicare rebates for vitamin D testing will apply to patients at risk of Vitamin D deficiency such as chronic lack of sun exposure.

NATA Accreditation No 2178

Tests Completed: Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(s), Phos(s), Iron(s), Lipids HDL(s), Ca(s), CRP(s), Mg(s), Vit D(s), TSH(s), Active B12(s), FBC(e), ESR(e)  
 Tests Pending : HbA1c Diag(e)  
 Sample Pending :



Patient Name: CARTER, NICOLA  
 Patient Address: 18 COOMASSIE AVE, FAULCONBRIDGE 2776  
 D.O.B: 31/10/1960  
 Medicare No.: 2173120538  
 Lab. Reference: 891401288-C-HDL  
 Addressee: DR ZONITA LUPISAN  
 Gender: F  
 IHI No.:  
 Provider: Douglass Hanly Moir Pathology  
 Referred by: Dr Zenita Lupisan  
 Date Requested: 30/10/2024  
 Date Collected: 7/11/2024  
 Specimen:  
 Subject/Test Name: LIPIDS HDL(S)  
 Clinical Information:  
 Date Performed: 7/11/2024  
 Complete: Final

Clinical Notes : NO HISTORY

Date	03/01/23	23/09/23	15/04/24	07/11/24		
Time F-Fast	1233 F	0946 F	1221 F	1109 F		
Lab ID	884715547	834944728	838919409	891401288	Units	Reference
Status	Fasting	Fasting	Fasting	Fasting		
Cholesterol	5.0	5.2	N 5.7	N 6.0	mmol/L	(<5.5)
Triglycerides	1.4	1.1	0.8	1.1	mmol/L	(<2.0)
HDL Chol.	L 1.0	L 1.2	1.3	1.4	mmol/L	(>1.2)
LDL Chol.	N 3.4	N 3.5	N 4.0	N 4.1	mmol/L	(<3.0)
Non-HDL Chol.	N 4.0	N 4.0	N 4.4	N 4.6	mmol/L	(<4.0)

Comments on Collection 07/11/24 1109 F:  
 Please note that the above reference limits are decision limits.  
 A flag based on these limits is an indication to review the absolute  
 cardiovascular risk for the patient. For assessment of absolute  
 cardiovascular disease risk please see [www.cvdcheck.org.au](http://www.cvdcheck.org.au)

The above decision limits are based on the European Atherosclerosis Society  
 (EAS) and European Federation of Clinical Chemistry and Laboratory Medicine  
 (EFLM) Consensus Statement 2016 and the Australasian Association of  
 Clinical Biochemistry and Laboratory Medicine (AACL) Lipid Reporting  
 Guideline 2018.

Lipid treatment targets for patients at high risk of cardiovascular disease:

Total cholesterol	<4.0 mmol/L
Triglyceride	<2.0 mmol/L
HDL cholesterol	>1.0 mmol/L
LDL cholesterol	<2.5 mmol/L (<1.8 mmol/L for very high risk)
Non-HDL cholesterol	<3.3 mmol/L (<2.5 mmol/L for very high risk)

High risk - Primary prevention      Very high risk - Secondary prevention

Target values from the AACL Lipid Reporting Guideline 2018.

Please note that as there is a continuum of risk, benefits are obtained for  
 any measured lipid components moving towards and beyond the various target  
 levels.

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), E(s), Glu(s), Phos(s), Lipids HDL(s), CRP(s),  
 Mg(s), FBC(e), ESR(e)  
 Tests Pending : Fol(s), UCreat(s), Iron(s), Ca(s), Vit D(s), TSH(s),  
 Active B12(s), HbA1c Diag(e)  
 Sample Pending :

Patient Name: CARTER, NICOLA  
 Patient Address: 18 COOMASSIE AVE, FAULCONBRIDGE 2776  
 D.O.B: 31/10/1960  
 Medicare No.: 2173120538  
 Lab. Reference: 891401288-E-Thyroid  
 Addressee: DR ZONITA LUPISAN  
 Date Requested: 30/10/2024  
 Date Collected: 7/11/2024  
 Specimen: THYROID FUNCTION  
 Subject/Test Name: THYROID FUNCTION  
 Clinical Information:

Gender: F  
 IHI No.:  
 Provider: Douglass Hanly Moir Pathology  
 Referred by: Dr Zonita Lupisan  
 Date Performed: 7/11/2024  
 Complete: Final

Clinical Notes : NO HISTORY

TFT

Date	Time	F-Fast	Lab ID	03/01/23	23/09/23	15/04/24	07/11/24	Units	Reference
				1233 F	0946 F	1221 F	1109 F		
				884715547	834944728	838919409	891401288		
TSH				0.70	0.57	1.01	0.77	mIU/L	(0.40-4.00)

NATA Accreditation No 2178

Tests Completed: Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(s), Phos(s),  
 Iron(s), Lipids HDL(s), Ca(s), CRP(s), Mg(s), Vit D(s),  
 TSH(s), Active B12(s), FBC(e), ESR(e)  
 Tests Pending : HbA1c Diag(e)  
 Sample Pending :

Patient Name: CARTER, NICOLA  
 Patient Address: 18 COOMASSIE AVE, FAULCONBRIDGE 2776  
 D.O.B: 31/10/1960  
 Medicare No.: 2173120538  
 Lab. Reference: 891401288-H- HAEM VI  
 Addressee: DR ZONITA LUPISAN  
 Date Requested: 30/10/2024  
 Date Collected: 7/11/2024  
 Specimen:  
 Subject(Test Name): HAEMATOLOGY  
 Clinical Information:

Gender: F  
 IHI No.:  
 Provider: Douglass Hanly Moir Pathology  
 Referred by: Dr Zonita Lupisan  
 Date Performed: 7/11/2024  
 Complete: Final

Clinical Notes : NO HISTORY

#### HAEMATOLOGY

Date	03/01/23	23/09/23	15/04/24	07/11/24		
Time F-Fast	1233 F	0946 F	1221 F	1109 F		
Lab ID	884715547	834944728	838919409	891401288	Units	Reference
Haemoglobin	142	138	137	149	g/L	(119-160)
RCC	4.7	4.6	4.6	4.9	x10 <sup>12</sup> /L	(3.8-5.8)
Haematocrit	0.43	0.42	0.42	0.46		(0.35-0.48)
MCV	92	91	92	93	fL	(80-100)
MCH	30.1	30.1	29.8	30.3	pg	(27.0-32.0)
MCHC	329	332	325	327	g/L	(310-360)
RDW	13.0	13.9	14.0	13.4		(10.0-15.0)
WCC	5.6	6.5	5.7	7.8	x10 <sup>9</sup> /L	(4.0-11.0)
Neutrophils	3.57	4.34	3.60	5.14	x10 <sup>9</sup> /L	(2.0-7.5)
Lymphocytes	1.47	1.47	1.47	1.83	x10 <sup>9</sup> /L	(1.0-4.0)
Monocytes	0.40	0.49	0.47	0.57	x10 <sup>9</sup> /L	(0.0-1.0)
Eosinophils	0.09	0.13	0.14	0.23	x10 <sup>9</sup> /L	(0.0-0.5)
Basophils	0.04	0.06	0.05	0.05	x10 <sup>9</sup> /L	(0.0-0.3)
NRBC	<1.0	<1.0	<1.0	<1.0	/100 WBC	(<1)
Platelets	221	241	259	323	x10 <sup>9</sup> /L	(150-450)
ESR	5	3	8	5	mm/h	(1-35)

Comments on Collection 07/11/24 1109 F:  
 Full blood count is within reference limits

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), E(s), Glu(s), Phos(s), Lipids HDL(s), CRP(s),  
 Mg(s), FBC(e), ESR(e)

Tests Pending : Fol(s), UCreat(s), Iron(s), Ca(s), Vit D(s), TSH(s),  
 Active B12(s), HbA1c Diag(e)

Sample Pending :



Patient Name: CARTER, NICOLA  
 Patient Address: 18 COOMASSIE AVE, FAULCONBRIDGE 2776  
 D.O.B: 31/10/1960  
 Medicare No.: 2173120538  
 Lab. Reference: 891401288-C- Glucose  
 Addressee: DR ZONITA LUPISAN  
 Date Requested: 30/10/2024  
 Date Collected: 7/11/2024  
 Specimen:  
 Subject/Test Name: \_GLUCOSE  
 Clinical Information:  
 Gender: F  
 IHI No.:  
 Provider: Douglass Hanly Moir Pathology  
 Referred by: Dr Zonita Lupisan  
 Date Performed: 7/11/2024  
 Complete: Final

Clinical Notes : NO HISTORY

# GLUCOSE

Date	03/01/23	23/09/23	15/04/24	07/11/24		
Time F-Fast	1233 F	0946 F	1221 F	1109 F		
Lab ID	884715547	834944728	838919409	891401288	Units	Reference
F Gluc Plasma	4.3	3.9	4.1		mmol/L	(3.6-6.0)
F Gluc Serum				4.2	mmol/L	(3.6-6.0)

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), E(s), Glu(s), Phos(s), Lipids HDL(s), CRP(s),  
 Mg(s), FBC(e), ESR(e)  
 Tests Pending : Fol(s), UCreat(s), Iron(s), Ca(s), Vit D(s), TSH(s),  
 Active B12(s), HbA1c Diag(e)  
 Sample Pending :