

NISIZAKA SMIT, LUCA
 31 VETERANS PARADE, COLLAROY PLATEAU. 2097
Phone: 0417029775
Birthdate: 29/12/2012 **Sex:** M **Medicare Number:** 2729600045
Your Reference: 8B625FE383 **Lab Reference:** 836591426-C-CRP
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR LACHLAN MCARTHUR **Referred by:** DR LACHLAN MCARTHUR

Name of Test: CRP(s)
Requested: 10/10/2023 **Collected:** 01/11/2023 **Reported:** 01/11/2023
 21:08

Clinical notes: general check. Fasting.

Clinical Notes : general check. Fasting.

C Reactive Protein (High Sens)

CRP <0.4 mg/L (0.0 - 5.0)
 Comment on Lab ID 836591426

NATA Accreditation No 2178

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

NISIZAKA SMIT, LUCA
 31 VETERANS PARADE, COLLAROY PLATEAU. 2097
Phone: 0417029775
Birthdate: 29/12/2012 **Sex:** M **Medicare Number:** 2729600045
Your Reference: 8B625FE383 **Lab Reference:** 836591426-H- HAEM VIRTUAL
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR LACHLAN MCARTHUR **Referred by:** DR LACHLAN MCARTHUR

Name of Test: Haematology
Requested: 10/10/2023 **Collected:** 01/11/2023 **Reported:** 01/11/2023
 18:38

Clinical notes: general check. Fasting.

Clinical Notes : general check. Fasting.

HAEMATOLOGY

Date	24/03/18	01/11/23		
Time F-Fast	1034	0836 F		
Lab ID	282319586	836591426	Units	Reference
Haemoglobin	125	126	g/L	(115-160)
RCC	4.5	4.6	x10 ¹² /L	(3.8-5.4)
Haematocrit	0.37	0.38		
(0.34-0.48)				
MCV	82	83	fL	(75-95)
MCH	27.9	27.6	pg	
(25.0-33.0)				

MCHC	339	332	g/L	(310-360)
RDW	12.4	12.5		
(10.0-15.0)				
WCC	11.8	L 4.1	x10 ⁹ /L	(4.5-13.5)
Neutrophils	H 9.15	1.81	x10 ⁹ /L	(1.8-8.0)
Lymphocytes	1.69	1.75	x10 ⁹ /L	(1.2-5.2)
Monocytes	0.87	0.38	x10 ⁹ /L	(0.0-1.1)
Eosinophils	0.06	0.14	x10 ⁹ /L	(0.0-0.8)
Basophils	0.04	0.04	x10 ⁹ /L	(0.0-0.3)
NRBC	<1.0	<1.0	/100 WBC	(<1)
Platelets	295	321	x10 ⁹ /L	(150-450)
ESR		6	mm/h	(1-15)

Comments on Collection 01/11/23 0836 F:
Full blood count is essentially normal

NATA Accreditation No 2178

Tests Completed: FBC(e), ESR(e)

Tests Pending : B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(p),
Phos(s), Iron(s), Lipids HDL(s), Ca(s), CRP(s), Mg(s),
Vit D(s), Zn(s), Cu(s), TSH(s)

Sample Pending :

NISIZAKA SMIT, LUCA

31 VETERANS PARADE, COLLAROY PLATEAU. 2097

Phone: 0417029775

Birthdate: 29/12/2012 **Sex:** M **Medicare Number:** 2729600045

Your Reference: 8B625FE383 **Lab Reference:** 836591426-C- _Glucose

Laboratory: Douglass Hanly Moir Pathology eOrder

Addressee: DR LACHLAN MCARTHUR **Referred by:** DR LACHLAN MCARTHUR

Name of Test: _Glucose

Requested: 10/10/2023 **Collected:** 01/11/2023 **Reported:** 01/11/2023
19:08

Clinical notes: general check. Fasting.

Clinical Notes : general check. Fasting.

Glucose

Glucose Fasting 5.1 mmol/L (3.6 - 6.0)

Comment on Lab ID 836591426

NATA Accreditation No 2178

Tests Completed: Glu(p), FBC(e), ESR(e)

Tests Pending : B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), Phos(s),
Iron(s), Lipids HDL(s), Ca(s), CRP(s), Mg(s), Vit D(s),
Zn(s), Cu(s), TSH(s)

Sample Pending :

NISIZAKA SMIT, LUCA

31 VETERANS PARADE, COLLAROY PLATEAU. 2097

Phone: 0417029775

Birthdate: 29/12/2012 **Sex:** M **Medicare Number:** 2729600045
Your Reference: 8B625FE383 **Lab Reference:** 836591426-C-HDL
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR LACHLAN MCARTHUR **Referred by:** DR LACHLAN MCARTHUR

Name of Test: Lipids HDL(s)
Requested: 10/10/2023 **Collected:** 01/11/2023 **Reported:** 01/11/2023
21:08

Clinical notes: general check. Fasting.

Clinical Notes : general check. Fasting.

Lipids and HDL

Status	Fasting
Cholesterol	4.6 mmol/L (<5.5)
Triglycerides	0.9 mmol/L (<2.0)
HDL Cholesterol	2.4 mmol/L (>1.0)
LDL Cholesterol	1.8 mmol/L (<3.0)
Non-HDL Cholesterol	2.2 mmol/L (<4.0)

Comment on Lab ID 836591426

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

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 (AACB) Lipid Reporting Guideline 2018.

Different decision limits may apply to children and the adolescent population. (Pediatrics. 2011;128 (suppl 5):S1-S44.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4536582/pdf/zpes213.pdf>)

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 AACB 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: E(s), Glu(p), Phos(s), Lipids HDL(s), Ca(s), CRP(s),
FBC(e), ESR(e)
Tests Pending : B12(s), Fol(s), LFT(s), C(s), UCreat(s), Iron(s), Mg(s),
Vit D(s), Zn(s), Cu(s), TSH(s)
Sample Pending :

NISIZAKA SMIT, LUCA
31 VETERANS PARADE, COLLAROY PLATEAU. 2097
Phone: 0417029775
Birthdate: 29/12/2012 **Sex:** M **Medicare Number:** 2729600045
Your Reference: 8B625FE383 **Lab Reference:** 836591426-E-Thyroid
Function
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR LACHLAN MCARTHUR **Referred by:** DR LACHLAN MCARTHUR
Name of Test: Thyroid Function
Requested: 10/10/2023 **Collected:** 01/11/2023 **Reported:** 02/11/2023
03:08

Clinical notes: general check. Fasting.

Clinical Notes : general check. Fasting.

Thyroid Function

TSH 1.50 mIU/L (0.35 - 6.00)
Comment on Lab ID 836591426

TSH is within reference limits.
Please note that if 'Thyroid function tests' or 'TFTs' are requested as a
simple screening test, a TSH level is always done first. If this is
increased a T4 level will be done automatically. If this is decreased a T4
and T3 will be performed automatically.

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(p),
Phos(s), Iron(s), Lipids HDL(s), Ca(s), No Charge CK(s),
CRP(s), Mg(s), Vit D(s), TSH(s), FBC(e), ESR(e)
Tests Pending : Zn(s), Cu(s)
Sample Pending :

NISIZAKA SMIT, LUCA
31 VETERANS PARADE, COLLAROY PLATEAU. 2097
Phone: 0417029775
Birthdate: 29/12/2012 **Sex:** M **Medicare Number:** 2729600045
Your Reference: 8B625FE383 **Lab Reference:** 836591426-E-Vitamin
B12/Folate
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR LACHLAN MCARTHUR **Referred by:** DR LACHLAN MCARTHUR
Name of Test: B12/Folate/RCF
Requested: 10/10/2023 **Collected:** 01/11/2023 **Reported:** 02/11/2023
03:08

Clinical notes: general check. Fasting.

Clinical Notes : general check. Fasting.

VIT B12 & FOLATE

Date 24/03/18 **01/11/23**
Time F-Fast 1034 **0836 F**

Lab ID	282319586	836591426	Units	Reference
Vitamin B12	558	H 765	pmol/L	(135-650)
S.Fol (Abbott)	34.0	36.8	nmol/L	(>7.0)

Comments on Collection 01/11/23 0836 F:
 From 8 March 2014, active B12 (holotranscobalamin) testing will be performed on all patients with low or equivocal (at or below 340 pmol/L) total B12 results. Both tests are eligible for a Medicare rebate under these circumstances.

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(p),
 Phos(s), Iron(s), Lipids HDL(s), Ca(s), No Charge CK(s),
 CRP(s), Mg(s), Vit D(s), TSH(s), FBC(e), ESR(e)
 Tests Pending : Zn(s), Cu(s)
 Sample Pending :

NISIZAKA SMIT, LUCA
 31 VETERANS PARADE, COLLAROY PLATEAU. 2097
Phone: 0417029775
Birthdate: 29/12/2012 **Sex:** M **Medicare Number:** 2729600045
Your Reference: 8B625FE383 **Lab Reference:** 836591426-C-Biochemistry
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR LACHLAN MCARTHUR **Referred by:** DR LACHLAN MCARTHUR

Name of Test: Biochemistry
Requested: 10/10/2023 **Collected:** 01/11/2023 **Reported:** 02/11/2023
 03:08

Clinical notes: general check. Fasting.

Clinical Notes : general check. Fasting.

BIOCHEMISTRY

Date	24/03/18	01/11/23		
Time F-Fast	1034	0836 F		
Lab ID	282319586	836591426	Units	Reference
Status		Fasting		
Sodium		139	mmol/L	(132-145)
Potassium		4.1	mmol/L	(3.5-5.5)
Chloride		108	mmol/L	(95-110)
Bicarbonate		23	mmol/L	(21-31)
Urea		4.0	mmol/L	(2.5-6.5)
Creatinine		45	umol/L	(30-60)
Calcium	2.49	2.50	mmol/L	
(2.25-2.65)				
Corr Calcium	2.45	2.48	mmol/L	
(2.25-2.60)				
Magnesium.	0.87	0.87	mmol/L	
(0.65-1.00)				
Phosphate.		1.27	mmol/L	(1.0-1.9)
Bili.Total		10	umol/L	(4-20)
ALP		H 362	U/L	(120-350)
GGT		17	U/L	(5-20)
LD		299	U/L	(120-300)
AST		H 43	U/L	(10-40)

ALT		19	U/L	(5-30)
Total Protein		70	g/L	(65-80)
Albumin	45	44	g/L	(39-49)
Globulin		26	g/L	(22-36)
Cholesterol		4.6	mmol/L	(<5.5)
Triglycerides		0.9	mmol/L	(<2.0)
CK		H 201	U/L	(40-200)

Comments on Collection 01/11/23 0836 F:
Please note: As an aid to patient assessment, additional pathologist approved testing has been performed and a CK result reported at no charge.

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(p),
Phos(s), Iron(s), Lipids HDL(s), Ca(s), No Charge CK(s),
CRP(s), Mg(s), Vit D(s), TSH(s), FBC(e), ESR(e)
Tests Pending : Zn(s), Cu(s)
Sample Pending :

NISIZAKA SMIT, LUCA
31 VETERANS PARADE, COLLAROY PLATEAU. 2097
Phone: 0417029775
Birthdate: 29/12/2012 Sex: M Medicare Number: 2729600045
Your Reference: 8B625FE383 Lab Reference: 836591426-C-Iron Studies
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR LACHLAN MCARTHUR Referred by: DR LACHLAN MCARTHUR

Name of Test: Iron Studies
Requested: 10/10/2023 Collected: 01/11/2023 Reported: 02/11/2023
03:08

Clinical notes: general check. Fasting.

Clinical Notes : general check. Fasting.

IRON

Date	24/03/18	01/11/23		
Time F-Fast	1034	0836 F		
Lab ID	282319586	836591426	Units	Reference
Iron	L 3.5	21.8	umol/L	(5.0-30.0)
Transferrin	3.1	H 3.3	g/L	(2.0-3.2)
TIBC (Calc)	68	H 72	umol/L	(46-70)
Saturation	L 5	30	%	(10-45)
Ferritin	40	L 17	ug/L	(20-200)

Comments on Collection 01/11/23 0836 F:
Serum ferritin level consistent with depleted iron stores and iron therapy may be indicated.
Recommend follow up iron studies.

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(p),
Phos(s), Iron(s), Lipids HDL(s), Ca(s), No Charge CK(s),
CRP(s), Mg(s), Vit D(s), TSH(s), FBC(e), ESR(e)

Tests Pending : Zn(s),Cu(s)
Sample Pending :

NISIZAKA SMIT, LUCA
31 VETERANS PARADE, COLLAROY PLATEAU. 2097
Phone: 0417029775
Birthdate: 29/12/2012 **Sex:** M **Medicare Number:** 2729600045
Your Reference: 8B625FE383 **Lab Reference:** 836591426-C-VITD
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR LACHLAN MCARTHUR **Referred by:** DR LACHLAN MCARTHUR

Name of Test: Vit D(s)
Requested: 10/10/2023 **Collected:** 01/11/2023 **Reported:** 02/11/2023
03:08

Clinical notes: general check. Fasting.

Clinical Notes : general check. Fasting.

Date	24/03/18	01/11/23		
Time F-Fast	1034	0836 F		
Lab ID	282319586	836591426	Units	Reference
Vitamin D	86	65	nmol/L	(50-140)

Comments on Collection 01/11/23 0836 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: B12(s),Fol(s),LFT(s),C(s),UCreat(s),E(s),Glu(p),
Phos(s),Iron(s),Lipids HDL(s),Ca(s),No Charge CK(s),
CRP(s),Mg(s),Vit D(s), TSH(s),FBC(e),ESR(e)
Tests Pending : Zn(s),Cu(s)
Sample Pending :

NISIZAKA SMIT, LUCA
31 VETERANS PARADE, COLLAROY PLATEAU. 2097
Phone: 0417029775
Birthdate: 29/12/2012 **Sex:** M **Medicare Number:** 2729600046
Your Reference: 8B625FE383 **Lab Reference:** 836591426-C-C731
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR LACHLAN MCARTHUR **Referred by:** DR LACHLAN MCARTHUR

Name of Test: Metals, Blood

Requested: 10/10/2023 **Collected:** 01/11/2023 **Reported:** 07/11/2023
10:39

Clinical notes: general check. Fasting.

Clinical Notes : general check. Fasting.

BLOOD METALS

Date	24/03/18	01/11/23		
Time F-Fast	1034	0836 F		
Lab ID	282319586	836591426	Units	Reference
Copper		15	umol/L	(12-22)
ZINC	14	14	umol/L	(10-18)

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(p),
Phos(s), Iron(s), Lipids HDL(s), Ca(s), No Charge CK(s),
CRP(s), Mg(s), Vit D(s), Zn(s), Cu(s), TSH(s), FBC(e), ESR(e)

Tests Pending :

Sample Pending :