

DISCUSS

Hba1c

Lipids

thyroid

Friday, June 27, 2025

Requested by Shamistra Barathan

Checked by Dr Shamistra Barathan on 27/06/2025

Status: Normal

Action: No Action

Notified: Patient not notified

Type: Pathology

SCOTT MCAULAY

1/20-22 IVANH0E PDE

IVANH0E VIC 3079

DOB: 13/12/1971 Gender: M

Medicare Number: IHI Number: DVA Number:

Patient Contact Number: 0438101733

Department: CH - Chemistry

Lab: MELBOURNE PATHOLOGY Lab Reference Number: 976084741-C-C487

Principal Result Interpreter:

Requesting Provider: DR SHAMISTRA BARATHAN Requested Date: 09/05/2025

Collected Date: 26/06/2025 Reported Date: 27/06/2025

Result Status: F - Final

Result Copies To:

U-MICROALBUMIN RAND UR

U Albumin, random	28	mg/L	27/06/2025 17:29
U Creatinine, random	15.2	mmol/ L	27/06/2025 17:29
U Albumin/Creatini ne ratio	1.8	mg/m mol (<2.5)	27/06/2025 17:29
U- MICROALBUMIN RAND UR			

U-
MICROALBUMIN
RAND UR

Dept Supervising Pathologist: Dr Andrew Carter

U-
MICROALBUMIN
RAND UR

Melbourne Pathology NATA No.:2133

U-
MICROALBUMIN
RAND UR

Tests Completed: IS,FLS,ROCHEft3,ROCHEft4,TSH,EUC,LFT,GLUF,A1C,HOMA
IR,VITD,FOL,B12,THcy,ACR,FBE

U-
MICROALBUMIN
RAND UR

Tests Pending :

U-
MICROALBUMIN
RAND UR

Sample Pending :

Clinical Notes : TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS

Date Time F-Fast Lab Id.	15-Aug-24	Latest Results		Reference	Units
	0825 F	0932 F			
	970403730	976084741			
U ALBUMIN	20	28			mg/L
U CREATININE	20.5	15.2			mmol/L
U ALB/CREAT	1.0	1.8	(<2.5)		mg/mmol

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: IS,FLS,ROCHEfT3,ROCHEfT4,TSH,EUC,LFT,GLUF,A1C,
HOMA IR,VITD,FOL,B12,THcy,ACR,FBE

Tests Pending :

Sample Pending :

(TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS)

Thursday, June 26, 2025
Requested by Shamistra Barathan

Checked by Dr Shamistra Barathan on 26/06/2025

Status: Abnormal

Action: No Action

Notified: Patient not notified

Type: Pathology

SCOTT MCAULAY
1/20-22 IVANHOE PDE
IVANHOE VIC 3079
DOB: 13/12/1971 Gender: M
Medicare Number: IHI Number: DVA Number:
Patient Contact Number: 0438101733

Department: CH – Chemistry
Lab: MELBOURNE PATHOLOGY Lab Reference Number: 976084741-C-C460
Principal Result Interpreter:
Requesting Provider: DR SHAMISTRA BARATHAN Requested Date: 09/05/2025
Collected Date: 26/06/2025 Reported Date: 26/06/2025
Result Status: F – Final
Result Copies To:

HOMOCYSTEINE

Plasma 9 umol/L (4-15) 26/06/2025
Homocysteine 21:38

HOMOCYSTEINE

HOMOCYSTEINE

Dept Supervising Pathologist: Dr Andrew Carter

HOMOCYSTEINE

Melbourne Pathology NATA No.:2133

HOMOCYSTEINE

Tests Completed: IS,FLS,ROCHEfT3,ROCHEfT4,TSH,EUC,LFT,GLUF,A1C,HOMA IR,VITD,FOL,B12,THcy,FBE

HOMOCYSTEINE

Tests Pending : ACR

HOMOCYSTEINE

Sample Pending :

Clinical Notes : TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS

		Latest Results		
Date		28-Mar-25	26-Jun-25	
Time F-Fast		0853 F	0932 F	
Lab Id.		973475452	976084741	Reference Units
P THcy		11	9	(4-15) umol/L

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: IS,FLS,ROCHEfT3,ROCHEfT4,TSH,EUC,LFT,GLUF,A1C,
HOMA IR,VITD,FOL,B12,THcy,FBE

Tests Pending : ACR

Sample Pending :

(TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS)

Thursday, June 26, 2025
Requested by Shamistra Barathan

Checked by Dr Shamistra Barathan on 26/06/2025

Status: Normal

Action: No Action

Notified: Patient not notified

Type: Pathology

SCOTT MCAULAY
1/20-22 IVANHOE PDE
IVANHOE VIC 3079
DOB: 13/12/1971 Gender: M
Medicare Number: IHI Number: DVA Number:
Patient Contact Number: 0438101733

Department: HM – Hematology
Lab: MELBOURNE PATHOLOGY Lab Reference Number: 976084741-H-H900
Principal Result Interpreter:

Requesting Provider: **DR SHAMISTRA BARATHAN** Requested Date: 09/05/2025
Collected Date: 26/06/2025 Reported Date: 26/06/2025
Result Status: F – Final
Result Copies To:

ED-HAEMATOLOGY

HAEMOGLOBIN	152	g/L	(130-180)	26/06/2025 18:36
Haematocrit	0.45		(0.39-0.51)	26/06/2025 18:36
Red cell count	5.0	x10*12/L	(4.3-5.8)	26/06/2025 18:36
M.C.V.	89	fL	(80-100)	26/06/2025 18:36
M.C.H.	30	pg	(27-34)	26/06/2025 18:36
M.C.H.C.	341	g/L	(310-360)	26/06/2025 18:36
RDW	12.8		(11-17)	26/06/2025 18:36
PLATELETS	187	x10*9/L	(150-450)	26/06/2025 18:36
WHITE CELL COUNT	4.9	x10*9/L	(4.0-11.0)	26/06/2025 18:36
Neutrophils	2.5	x10*9/L	(2.0-7.5)	26/06/2025 18:36
Lymphocytes	1.8	x10*9/L	(1.0-4.0)	26/06/2025 18:36
Monocytes	0.4	x10*9/L	(0-1.0)	26/06/2025 18:36
Eosinophils	0.1	x10*9/L	(0-0.5)	26/06/2025 18:36
Basophils	0.1	x10*9/L	(0-0.3)	26/06/2025 18:36

ED-
HAEMATOLOGY

ED-
HAEMATOLOGY

Dept Supervising Pathologist: Dr Linda Saravanan

ED-
HAEMATOLOGY

Melbourne Pathology NATA No.:2133

ED-
HAEMATOLOGY

Tests Completed: IS,FLS,ROCHEfT3,ROCHEfT4,TSH,EUC,LFT,GLUF,A1C,HOMA IR,VITD,FOL,B12,FBE

ED-
HAEMATOLOGY

Tests Pending : THcy,ACR

ED-
HAEMATOLOGY

Sample Pending :

Clinical Notes : TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS

HAEMATOLOGY - Blood/EDTA						
Date Time F-Fast Lab Id.	15-Aug-24	13-Nov-24	28-Mar-25	Latest Results 26-Jun-25		
	0825 F	0835 F	0853 F	0932 F		
	970403730	971625715	973475452	976084741	Reference	Units
HAEMOGLOBIN	151	147	155	152	(130-180)	g/L
Hct			0.46	0.45	(0.39-0.51)	
RBC			5.3	5.0	(4.3-5.8)	x10*12/L
MCV			88	89	(80-100)	fL
MCH			29	30	(27-34)	pg
MCHC			335	341	(310-360)	g/L
RDW			13.1	12.8	(11-17)	
PLATELETS			196	187	(150-450)	x 10*9/L
WHITE CELLS			4.9	4.9	(4.0-11.0)	x10*9/L
Neutrophils			2.6	2.5	(2.0-7.5)	x10*9/L
Lymphocytes			1.7	1.8	(1.0-4.0)	x10*9/L
Monocytes			0.4	0.4	(0-1.0)	x10*9/L
Eosinophils			0.1	0.1	(0-0.5)	x10*9/L
Basophils			0.0	0.1	(0-0.3)	x10*9/L

Dept Supervising Pathologist: Dr Linda Saravanan

Melbourne Pathology NATA No.:2133

Tests Completed: IS,FLS,ROCHEfT3,ROCHEfT4,TSH,EUC,LFT,GLUF,A1C,
HOMA IR,VITD,FOL,B12,FBE

Tests Pending : THcy,ACR

Sample Pending :

(TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS)

Thursday, June 26, 2025

Requested by Shamistra Barathan

Checked by Dr Shamistra Barathan on 26/06/2025

Status: Being treated

Action: No Action

Notified: Patient not notified

Type: Pathology

SCOTT MCAULAY
1/20-22 IVANH0E PDE
IVANH0E VIC 3079
DOB: 13/12/1971 Gender: M
Medicare Number: IHI Number: DVA Number:
Patient Contact Number: 0438101733

Department: HM - Hematology
Lab: MELBOURNE PATHOLOGY Lab Reference Number: 976084741-H-E301
Principal Result Interpreter:
Requesting Provider: DR SHAMISTRA BARATHAN Requested Date: 09/05/2025
Collected Date: 26/06/2025 Reported Date: 26/06/2025
Result Status: F - Final
Result Copies To:

ED- DIABETES DIAGNOSIS

+HbA1c (NGSP)	6.3	%	(4.4-5.6)	H - Above high normal	26/06/2025
- Roche					18:36

+HbA1c (IFCC) - Roche	46	mmol/mol	(25-38)	H - Above high normal	26/06/2025 18:36
Estimated Average Glucose	7.4	mmol/L			26/06/2025 18:36

ED- DIABETES
DIAGNOSIS

Comment for ED- DIABETES DIAGNOSIS
The general target for treatment of Type 1 or Type 2 diabetes in adults without current hypoglycaemia is <= 7.0% or 53 mmol/mol.
In patients with a significant risk of adverse outcome from hypoglycaemia (children <16 and adults >70 years), higher target values may be appropriate.
For clinicians requiring assistance with interpreting this report, a Chemical Pathologist or Clinical Scientist will be available during office hours on (03) 9287 7733.

+ HbA1c result generated by Roche Cobas immunoassay method.
* HbA1c result generated by Sebia capillary electrophoresis method.

ED- DIABETES
DIAGNOSIS

ED- DIABETES
DIAGNOSIS

Dept Supervising Pathologist: Dr Linda Saravanan

ED- DIABETES
DIAGNOSIS

Melbourne Pathology NATA No.:2133

ED- DIABETES
DIAGNOSIS

Tests Completed: IS,FLS,ROCHEfT3,ROCHEfT4,TSH,EUC,LFT,GLUF,A1C,HOMA IR,VITD,FOL,B12,FBE

ED- DIABETES
DIAGNOSIS

Tests Pending : THcy,ACR

ED- DIABETES
DIAGNOSIS

Sample Pending :

Clinical Notes : TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS

DIABETES DIAGNOSIS & MONITORING - Blood/EDTA

				Latest Results		Reference	Units
Date	15-Aug-24	13-Nov-24	28-Mar-25	26-Jun-25			
Time F-Fast	0825 F	0835 F	0853 F	0932 F			
Lab Id.	970403730	971625715	973475452	976084741			
*HbA1c(NGSP)	6.1 H				(4.4-5.6)		%
*HbA1c(IFCC)	43 H				(25-38)		mmol/mol
*eAG	7.1						mmol/L
+HbA1c(NGSP)		5.9 H	5.7 H	6.3 H	(4.4-5.6)		%
+HbA1c(IFCC)		43 H	41 H	46 H	(25-38)		mmol/mol
+eAG		6.8	6.5	7.4			mmol/L

Comments on Collection 26-Jun-25 0932 F:
The general target for treatment of Type 1 or Type 2 diabetes in adults without current hypoglycaemia is <= 7.0% or 53 mmol/mol.

In patients with a significant risk of adverse outcome from hypoglycaemia (children <16 and adults >70 years), higher target values may be appropriate.
For clinicians requiring assistance with interpreting this report, a Chemical Pathologist or Clinical Scientist will be available during office hours on (03) 9287 7733.

+ HbA1c result generated by Roche Cobas immunoassay method.
* HbA1c result generated by Sebia capillary electrophoresis method.

Dept Supervising Pathologist: Dr Linda Saravanan

Melbourne Pathology NATA No.:2133

Tests Completed: IS,FLS,ROCHEfT3,ROCHEfT4,TSH,EUC,LFT,GLUF,A1C,
HOMA IR,VITD,FOL,B12,FBE
Tests Pending : THcy,ACR
Sample Pending :

(TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS)

Thursday, June 26, 2025
Requested by Shamistra Barathan

Checked by Dr Shamistra Barathan on 26/06/2025
Status: Abnormal
Action: No Action
Notified: Patient not notified
Type: Pathology

SCOTT MCAULAY
1/20-22 IVANHOE PDE
IVANHOE VIC 3079
DOB: 13/12/1971 Gender: M
Medicare Number: IHI Number: DVA Number:
Patient Contact Number: 0438101733

Department: CH - Chemistry
Lab: MELBOURNE PATHOLOGY Lab Reference Number: 976084741-C-C187
Principal Result Interpreter:
Requesting Provider: DR SHAMISTRA BARATHAN Requested Date: 09/05/2025
Collected Date: 26/06/2025 Reported Date: 26/06/2025
Result Status: F - Final
Result Copies To:

SE- THYROID VIRTUAL

TSH (Roche)	5.2	mU/L	(0.5-5.5)		26/06/2025 16:46
FT4 (Roche)	10.3	pmol/L	(11.0-22.0)	L - Below low normal	26/06/2025 16:46
FT3 (Roche)	3.8	pmol/L	(3.2-6.4)		26/06/2025 16:46

SE- THYROID
VIRTUAL

Comment for SE- THYROID VIRTUAL
Noted on thyroid hormone replacement.
A normal TSH is consistent with euthyroid status.
Please withhold morning dose before the blood test as it may falsely elevate free T3/T4 level.

SE- THYROID
VIRTUAL

SE- THYROID
VIRTUAL

Dept Supervising Pathologist: Dr Andrew Carter

SE- THYROID
VIRTUAL

Melbourne Pathology NATA No.:2133

SE- THYROID
VIRTUAL

Tests Completed: IS,FLS,ROCHEfT3,ROCHEfT4,TSH,EUC,LFT,GLUF,HOMA IR,VITD,FOL,B12

SE- THYROID
VIRTUAL

Tests Pending : A1C,THcy,ACR,FBE

SE- THYROID
VIRTUAL

Sample Pending :

Clinical Notes : TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS

THYROID FUNCTION TESTS – Serum

		Latest Results				
Date		15-Aug-24	13-Nov-24	28-Mar-25	26-Jun-25	
Time F-Fast		0825 F	0835 F	0853 F	0932 F	
Lab Id.		970403730	971625715	973475452	976084741	Reference Units
S TSH(Roche)	0.14 L	<0.01 L	1.05	5.2	(0.5–5.5)	mIU/L
S FT4(Roche)	13.8	18.6	11.3	10.3 L	(11.0–22.0)	pmol/L
S FT3(Roche)	5.0	6.1	4.2	3.8	(3.2–6.4)	pmol/L

Comments on Collection 26-Jun-25 0932 F:
TSH
Noted on thyroid hormone replacement.
A normal TSH is consistent with euthyroid status.
Please withhold morning dose before the blood test as it may falsely
elevate free T3/T4 level.

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: IS,FLS,ROCHEfT3,ROCHEfT4,TSH,EUC,LFT,GLUF,HOMA IR,
VITD,FOL,B12
Tests Pending : A1C,THcy,ACR,FBE
Sample Pending :

(TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS)

Thursday, June 26, 2025
Requested by Shamistra Barathan

Checked by Dr Shamistra Barathan on 26/06/2025
Status: Normal
Action: No Action

SCOTT MCAULAY
1/20-22 IVANHOE PDE
IVANHOE VIC 3079
DOB: 13/12/1971 Gender: M
Medicare Number: IHI Number: DVA Number:
Patient Contact Number: 0438101733

Department: CH - Chemistry
Lab: **MELBOURNE PATHOLOGY** Lab Reference Number: **976084741-C-C316**
Principal Result Interpreter:
Requesting Provider: **DR SHAMISTRA BARATHAN** Requested Date: 09/05/2025
Collected Date: 26/06/2025 Reported Date: 26/06/2025
Result Status: F - Final
Result Copies To:

SE-VITAMIN D

25-Hydroxy
Vitamin D

103 nmol/L (50-
250)

26/06/2025
17:21

SE-VITAMIN D

SE-VITAMIN D

Dept Supervising Pathologist: Dr Andrew Carter

SE-VITAMIN D

Melbourne Pathology NATA No.:2133

SE-VITAMIN D

Tests Completed: IS,FLS,ROCHEfT3,TSH,EUC,LFT,GLUF,HOMA IR,VITD,FOL,B12

SE-VITAMIN D

Tests Pending : ROCHEfT4,A1C,THcy,ACR,FBE

SE-VITAMIN D

Sample Pending :

Clinical Notes : TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS

Date Time F-Fast Lab Id.	Latest Results			Reference	Units
	16-May-24	28-Mar-25	26-Jun-25		
	0859 F	0853 F	0932 F		
	970691931	973475452	976084741		
S 250H VIT D	107	120	103	(50-250)	nmol/L

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: IS,FLS,ROCHEfT3,TSH,EUC,LFT,GLUF,HOMA IR,VITD,FOL,B12
Tests Pending : ROCHEfT4,A1C,THcy,ACR,FBE
Sample Pending :

(TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS)

Thursday, June 26, 2025

Requested by Shamistra Barathan

Checked by Dr Shamistra Barathan on 26/06/2025
Status: Normal
Action: Clinical Action
Notified: Patient not notified
Type: Pathology

SCOTT MCAULAY
1/20-22 IVANH0E PDE
IVANH0E VIC 3079
DOB: 13/12/1971 Gender: M
Medicare Number: IHI Number: DVA Number:
Patient Contact Number: 0438101733

Department: CH - Chemistry
Lab: **MELBOURNE PATHOLOGY** Lab Reference Number: **976084741-C-C282**
Principal Result Interpreter:
Requesting Provider: **DR SHAMISTRA BARATHAN** Requested Date: 09/05/2025
Collected Date: 26/06/2025 Reported Date: 26/06/2025
Result Status: F - Final
Result Copies To:

GL-HOMA INSULIN RES

S Insulin (Fasting):	3.9	mU/L	(<17)	26/06/2025 16:46
Fasting P Glucose	5.4	mmol/ L	(3.6- 6.0)	26/06/2025 16:46
HOMA Index:	0.9		(<2)	26/06/2025 16:46

GL-HOMA
INSULIN RES

<2 : Probably normal
2-4: Possibly insulin resistant
4-8: Possibly glucose intolerant
>8 : Possibly diabetic

GL-HOMA
INSULIN RES

GL-HOMA
INSULIN RES

Dept Supervising Pathologist: Dr Andrew Carter

GL-HOMA
INSULIN RES

Melbourne Pathology NATA No.:2133

GL-HOMA
INSULIN RES

Tests Completed: IS,FLS,ROCHEfT3,TSH,EUC,LFT,GLUF,HOMA IR,FOL,B12

GL-HOMA
INSULIN RES

Tests Pending : ROCHEfT4,A1C,VITD,THcy,ACR,FBE

GL-HOMA
INSULIN RES

Sample Pending :

Clinical Notes : TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS

HOMEOSTASIS MODEL ASSESSMENT

S Insulin (Fasting): 3.9 (<17) mU/L
Fasting P Glucose 5.4 (3.6 – 6.0) mmol/L
HOMA Index: 0.9 (<2)
Comments on Lab Id. 976084741

<2 : Probably normal
2–4: Possibly insulin resistant
4–8: Possibly glucose intolerant
>8 : Possibly diabetic

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: IS,FLS,ROCHEfT3,TSH,EUC,LFT,GLUF,HOMA IR,FOL,B12
Tests Pending : ROCHEfT4,A1C,VITD,THcy,ACR,FBE
Sample Pending :

(TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS)

Thursday, June 26, 2025
Requested by Shamistra Barathan

Checked by Dr Shamistra Barathan on 26/06/2025
Status: Normal
Action: No Action
Notified: Patient not notified
Type: Pathology

SCOTT MCAULAY
1/20–22 IVANH0E PDE
IVANH0E VIC 3079
DOB: 13/12/1971 Gender: M
Medicare Number: IHI Number: DVA Number:
Patient Contact Number: 0438101733

Department: CH – Chemistry
Lab: MELBOURNE PATHOLOGY Lab Reference Number: 976084741–C–C950
Principal Result Interpreter:
Requesting Provider: DR SHAMISTRA BARATHAN Requested Date: 09/05/2025
Collected Date: 26/06/2025 Reported Date: 26/06/2025
Result Status: F – Final
Result Copies To:

SE- CHEMISTRY

S Sodium:	141	mmol/L	(135-145)	26/06/2025 16:46
S Potassium:	4.5	mmol/L	(3.5-5.5)	26/06/2025 16:46
S Chloride:	105	mmol/L	(95-110)	26/06/2025 16:46

S Bicarbonate:	24	mmol/L	(20-32)	26/06/2025 16:46
S Urea:	5.8	mmol/L	(3.5-8.5)	26/06/2025 16:46
S Creatinine:	86	umol/L	(60-110)	26/06/2025 16:46
eGFR	89		(>59)	26/06/2025 16:46
S Bilirubin:	7	umol/L	(4-20)	26/06/2025 16:46
S Alkaline Phosphatase:	89	U/L	(45-120)	26/06/2025 16:46
S Gamma-GT:	11	U/L	(5-50)	26/06/2025 16:46
S ALT:	21	U/L	(5-40)	26/06/2025 16:46
S AST:	20	U/L	(10-40)	26/06/2025 16:46
S Total Protein:	67	g/L	(63-80)	26/06/2025 16:46
S Albumin:	40	g/L	(34-45)	26/06/2025 16:46
S Globulin:	27	g/L	(23-41)	26/06/2025 16:46
Fasting P Glucose	5.4	mmol/L	(3.6-6.0)	26/06/2025 16:46

SE- CHEMISTRY

Comment for SE- CHEMISTRY

eGFR between 60 and 90 mL/min/1.73m² could be normal if it is stable over time. Otherwise, consider testing for albuminuria using first morning void if indicated.

For clinicians requiring assistance with interpreting this report, a Chemical Pathologist or Clinical Scientist will be available during office hours on (03) 9287 7733.

NOTE: Change of reference interval for Alkaline Phosphatase (ALP), effective from 09/12/2024.

SE- CHEMISTRY

SE- CHEMISTRY

Dept Supervising Pathologist: Dr Andrew Carter

SE- CHEMISTRY

Melbourne Pathology NATA No.:2133

SE- CHEMISTRY

Tests Completed: IS,FLS,ROCHEfT3,TSH,EUC,LFT,GLUF,HOMA IR,FOL,B12

SE- CHEMISTRY

Tests Pending : ROCHEfT4,A1C,VITD,THcy,ACR,FBE

SE- CHEMISTRY

Sample Pending :

Clinical Notes : TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS

MULTIPLE BIOCHEMICAL ANALYSIS - Serum						
Date Time F-Fast Lab Id.	15-Aug-24	13-Nov-24	28-Mar-25	Latest Results		
	0825 F	0835 F	0853 F	26-Jun-25		
	0932 F			0932 F		
	970403730	971625715	973475452	976084741	Reference	Units
S SODIUM	142	143	140	141	(135-145)	mmol/L
S POTASSIUM	4.5	4.7	4.5	4.5	(3.5-5.5)	mmol/L
S CHLORIDE	106	106	103	105	(95-110)	mmol/L
S BICARB	27	24	24	24	(20-32)	mmol/L
S UREA	6.7	7.1	7.0	5.8	(3.5-8.5)	mmol/L
S CREAT	91	82	94	86	(60-110)	umol/L
eGFR	83	>90	80	89	(>59)	
S T-BIL	8		10	7	(4-20)	umol/L
S ALP	75		100	89	(45-120)	U/L
S GGT	13		11	11	(5-50)	U/L
S ALT	38		24	21	(5-40)	U/L
S AST	25		24	20	(10-40)	U/L
S T-PROTEIN	68		69	67	(63-80)	g/L
S ALBUMIN	42		40	40	(34-45)	g/L
S GLOBULIN	26		29	27	(23-41)	g/L
S GLU (Fast)		6.0			(3.6-6.0)	mmol/L
P GLU(Fast)			7.0 H	5.4	(3.6-6.0)	mmol/L

Comments on Collection 26-Jun-25 0932 F:
EUC
eGFR between 60 and 90 mL/min/1.73m2 could be normal if it is stable over time. Otherwise, consider testing for albuminuria using first morning void if indicated.
For clinicians requiring assistance with interpreting this report, a Chemical Pathologist or Clinical Scientist will be available during office hours on (03) 9287 7733.

LFT
NOTE: Change of reference interval for Alkaline Phosphatase (ALP), effective from 09/12/2024.

Dept Supervising Pathologist: Dr Andrew Carter
Melbourne Pathology NATA No.:2133

Tests Completed: IS,FLS,ROCHEfT3,TSH,EUC,LFT,GLUF,HOMA IR,FOL,B12
Tests Pending : ROCHEfT4,A1C,VITD,THcy,ACR,FBE
Sample Pending :

(TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS)

Thursday, June 26, 2025
Requested by Shamistra Barathan

Checked by Dr Shamistra Barathan on 26/06/2025
Status: Abnormal
Action: Clinical Action
Notified: Patient not notified
Type: Pathology

SCOTT MCAULAY
1/20-22 IVANHOE PDE
IVANHOE VIC 3079
DOB: 13/12/1971 Gender: M
Medicare Number: IHI Number: DVA Number:
Patient Contact Number: 0438101733

Department: CH – Chemistry

Lab: MELBOURNE PATHOLOGY

Lab Reference Number: 976084741-C-C012

Principal Result Interpreter:

Requesting Provider: DR SHAMISTRA BARATHAN

Requested Date: 09/05/2025

Collected Date: 26/06/2025

Reported Date: 26/06/2025

Result Status: F – Final

Result Copies To:

SE-LIPID - HDL/LDL

S Cholesterol:	7.8	mmol/L	(3.5-5.5)	H - Above high normal	26/06/2025 16:46
S Triglycerides:	1.4	mmol/L	(<1.7)		26/06/2025 16:46
S HDL-Cholesterol:	1.23	mmol/L	(>1.00)		26/06/2025 16:46
S LDL-Cholesterol:	5.9	mmol/L	(<3.5)	H - Above high normal	26/06/2025 16:46
Chol/HDL	6.3		(<4.5)	H - Above high normal	26/06/2025 16:46
Non HDL Cholesterol	6.6	mmol/L	(<3.9)	H - Above high normal	26/06/2025 16:46

SE-LIPID -
HDL/LDL

Familial hypercholesterolaemia (an autosomal co-dominant condition associated with elevated LDL-cholesterol and premature CVD) is an important consideration. Recommend secondary causes of elevated LDL-cholesterol including hypothyroidism, cholestasis and nephrotic syndrome be excluded. Suggest clinical review for tendon xanthomata, personal and family history of premature CVD, and calculation of the likelihood of FH (see <http://www.athero.org.au/fh/calculator>). Recommend specialist review and consideration of Medicare-rebated genetic testing for FH. Further information at sonicgenetics.com.au/fh.

SE-LIPID -
HDL/LDLSE-LIPID -
HDL/LDL

Dept Supervising Pathologist: Dr Andrew Carter

SE-LIPID -
HDL/LDL

Melbourne Pathology NATA No.:2133

SE-LIPID -
HDL/LDL

Tests Completed: IS,FLS,ROCHEFT3,TSH,EUC,LFT,GLUF,HOMA IR,FOL,B12

SE-LIPID -
HDL/LDL

Tests Pending : ROCHEFT4,A1C,VITD,THcy,ACR,FBE

SE-LIPID -
HDL/LDL

Sample Pending :

Clinical Notes : TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS

Date Time F-Fast Lab Id.	Latest Results				Reference	Units
	15-Aug-24	13-Nov-24	28-Mar-25	26-Jun-25		
	0825 F	0835 F	0853 F	0932 F		
	970403730	971625715	973475452	976084741		
S CHOL	8.6 H	7.7 H	8.5 H	7.8 H	(3.5-5.5)	mmol/L
S TRIG	1.6	2.1 H	2.0 H	1.4	(<1.7)	mmol/L
S HDL-CHOL	1.19	0.93 L	1.12	1.23	(>1.00)	mmol/L
S LDL-CHOL	6.7 H	5.8 H	6.5 H	5.9 H	(<3.5)	mmol/L
S CHOL/HDL C	7.2 H	8.3 H	7.6 H	6.3 H	(<4.5)	
S Non HDL C	7.4 H	6.8 H	7.4 H	6.6 H	(<3.9)	mmol/L

Comments on Collection 26-Jun-25 0932 F:
FLS
Familial hypercholesterolaemia (an autosomal co-dominant condition associated with elevated LDL-cholesterol and premature CVD) is an important consideration. Recommend secondary causes of elevated LDL-cholesterol including hypothyroidism, cholestasis and nephrotic syndrome be excluded. Suggest clinical review for tendon xanthomata, personal and family history of premature CVD, and calculation of the likelihood of FH (see <http://www.athero.org.au/fh/calculator>). Recommend specialist review and consideration of Medicare-rebated genetic testing for FH. Further information at sonicgenetics.com.au/fh.

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: IS,FLS,ROCHEfT3,TSH,EUC,LFT,GLUF,HOMA IR,FOL,B12
Tests Pending : ROCHEfT4,A1C,VITD,THcy,ACR,FBE
Sample Pending :

(TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS)

Thursday, June 26, 2025

Requested by Shamistra Barathan

Checked by Dr Shamistra Barathan on 26/06/2025
Status: Normal
Action: No Action
Notified: Patient not notified
Type: Pathology

SCOTT MCAULAY
1/20-22 IVANHOE PDE
IVANHOE VIC 3079
DOB: 13/12/1971 Gender: M
Medicare Number: IHI Number: DVA Number:
Patient Contact Number: 0438101733

Department: CH - Chemistry
Lab: MELBOURNE PATHOLOGY Lab Reference Number: 976084741-C-C010
Principal Result Interpreter:
Requesting Provider: DR SHAMISTRA BARATHAN Requested Date: 09/05/2025
Collected Date: 26/06/2025 Reported Date: 26/06/2025
Result Status: F - Final
Result Copies To:

SE-IRON STUDIES

S Iron:	16	umol/L	(5-30)	26/06/2025 16:46
S Transferrin:	2.5	g/L	(2.0-3.2)	26/06/2025 16:46

Transferrin Saturation:	26	%	(10-45)	26/06/2025 16:46
S Ferritin:	169	ng/mL	(30-500)	26/06/2025 16:46

SE-IRON STUDIES

SE-IRON STUDIES

Dept Supervising Pathologist: Dr Andrew Carter

SE-IRON STUDIES

Melbourne Pathology NATA No.:2133

SE-IRON STUDIES

Tests Completed: IS,FLS,ROCHEfT3,TSH,EUC,LFT,GLUF,HOMA IR,FOL,B12

SE-IRON STUDIES

Tests Pending : ROCHEfT4,A1C,VITD,THcy,ACR,FBE

SE-IRON STUDIES

Sample Pending :

Clinical Notes : TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS

Date Time F-Fast Lab Id.	Latest Results			
	28-Mar-25	26-Jun-25		
	0853 F	0932 F		
	973475452	976084741	Reference	Units
S IRON	19	16	(5-30)	umol/L
S TRF	2.5	2.5	(2.0-3.2)	g/L
S TRF SAT	30	26	(10-45)	%
S FERRITIN	189	169	(30-500)	ng/mL

Dept Supervising Pathologist: Dr Andrew Carter

Melbourne Pathology NATA No.:2133

Tests Completed: IS,FLS,ROCHEfT3,TSH,EUC,LFT,GLUF,HOMA IR,FOL,B12
Tests Pending : ROCHEfT4,A1C,VITD,THcy,ACR,FBE
Sample Pending :

(TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS)

Thursday, June 26, 2025
Requested by Shamistra Barathan

Checked by Dr Shamistra Barathan on 26/06/2025
Status: Normal
Action: No Action
Notified: Patient not notified

SCOTT MCAULAY
1/20-22 IVANHOE PDE
IVANHOE VIC 3079
DOB: 13/12/1971 Gender: M
Medicare Number: IHI Number: DVA Number:
Patient Contact Number: 0438101733

Department: CH - Chemistry
Lab: **MELBOURNE PATHOLOGY** Lab Reference Number: **976084741-C-C329**
Principal Result Interpreter:
Requesting Provider: **DR SHAMISTRA BARATHAN** Requested Date: 09/05/2025
Collected Date: 26/06/2025 Reported Date: 26/06/2025
Result Status: F - Final
Result Copies To:

SE-B12/FOLATE VIRT

S Folate:	33.0	nmol/L	(>6.0)		26/06/2025 16:46
Total Vitamin B12:	808	pmol/L	(200-700)	H - Above high normal	26/06/2025 16:46
SE-B12/FOLATE VIRT					

Comment for SE-B12/FOLATE VIRT
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.

SE-B12/FOLATE VIRT

SE-B12/FOLATE VIRT

Dept Supervising Pathologist: Dr Andrew Carter

SE-B12/FOLATE VIRT

Melbourne Pathology NATA No.:2133

SE-B12/FOLATE VIRT

Tests Completed: IS,FLS,ROCHEfT3,TSH,EUC,LFT,GLUF,HOMA IR,FOL,B12

SE-B12/FOLATE VIRT

Tests Pending : ROCHEfT4,A1C,VITD,THcy,ACR,FBE

SE-B12/FOLATE VIRT

Sample Pending :

Clinical Notes : TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS

B12/FOLATE - Serum

			Latest Results		
Date	16-May-24	28-Mar-25	26-Jun-25		
Time F-Fast	0859 F	0853 F	0932 F		
Lab Id.	970691931	973475452	976084741	Reference	Units
S FOLATE	27.0	21.0	33.0	(>6.0)	nmol/L
S TOTAL B12	516	611	808 H	(200-700)	pmol/L

Comments on Collection 26-Jun-25 0932 F:
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,FLS,ROCHEfT3,TSH,EUC,LFT,GLUF,HOMA IR,FOL,B12
Tests Pending : ROCHEfT4,A1C,VITD,THcy,ACR,FBE
Sample Pending :

(TYPE 1 DIABETIC HYPOTHYROIDISM HIGH LIPIDS)