

Patient Investigations

Name: Mr Kane William TEMPLETON
Address: 10/2 Lewis Street
Airlie Beach 4802
D.O.B.: 26/04/1988
Record No.:
Home Phone: 0438 563 296
Work Phone:
Mobile Phone: 0438 563 296

Affinity Family Medical
Suite 20/230 Shute Harbour Rd
Cannonvale 4802
0748045680

Printed on 27th March 2025

Investigations:

TEMPLETON, KANE
12 OLIVIA STREET, CANNONVALE. 4802
Phone: 0438563296
Birthdate: 26/04/1988 Sex: M Medicare Number: 3105088922
Your Reference: 0ACE832261 Lab Reference: 528649767-H-H900
Laboratory: SNP
Addressee: DR CHLOE M ANTONY Referred by: DR CHLOE M ANTONY

Name of Test: .BLOOD COUNT
Requested: 10/01/2025 Collected: 10/01/2025 Reported: 11/01/2025 11:25

Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

Haematology

Haemoglobin	159	(135 - 175)	g/L
Haematocrit	0.48	(0.40 - 0.54)	
Red cell count	4.9	(4.5 - 6.5)	10 ¹² /L
MCV	99	(80 - 100)	fL
White cell count	4.8	(3.5 - 10.0)	10 ⁹ /L
Neutrophils	2.44	(1.5 - 6.5)	10 ⁹ /L
Lymphocytes	1.80	(1.0 - 4.0)	10 ⁹ /L
Monocytes	0.40	(0 - 0.9)	10 ⁹ /L
Eosinophils	0.09	(0 - 0.6)	10 ⁹ /L
Basophils	0.02	(0 - 0.15)	10 ⁹ /L
Platelets	215	(150 - 400)	10 ⁹ /L

Comments on Lab Id: 528649767

HA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: FBE

Tests Pending : HDL-Cholesterol,Iron Studies,E/LFT,C trach PCR,
N gono PCR,TSH,HBsAg,HepC-IgG,_HIV Ag/Ab,
Syphilis Serology,Testosterone,HbA1c,Urine MCS

Sample Pending :

TEMPLETON, KANE
12 OLIVIA STREET, CANNONVALE. 4802
Phone: 0438563296
Birthdate: 26/04/1988 Sex: M Medicare Number: 3105088922
Your Reference: 0ACE832261 Lab Reference: 528649767-C-C847

Laboratory: SNP

Addressee: DR CHLOE M ANTONY

Referred by:

DR CHLOE M ANTONY

Name of Test: S-_LIPID PROFILE

Requested: 10/01/2025

Collected: 10/01/2025

Reported: 11/01/2025

12:25

Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

Lipid Profile

Cholesterol	5.8 H	(	<5.6	)	mmol/L
Triglyceride	1.5	(	<2.1	)	mmol/L
HDL	1.11	(	>0.89	)	mmol/L
LDL	4.1 H	(	<4.1	)	mmol/L
Tot Chol/HDL	5.2 H	(	<4.6	)	
Non HDLC	4.69 H	(	<3.81	)	mmol/L

Comments on Lab Id: 528649767

LDL is now calculated by the Sampson equation which allows an accurate result at higher triglyceride levels.

The National Vascular Disease Prevention Alliance (NVDPA) guidelines recommend a target level of less than 2.5 mmol/L for non-HDLC.

TARGET LEVELS:

The National Vascular Disease Prevention Alliance (NVDPA) treatment target levels for high risk people (known coronary heart and other arterial disease, diabetes, chronic renal failure, Aboriginal and Torres Strait Islander peoples and familial hyperlipidaemic conditions) are:

Total Cholesterol	<4.0	mmol/L
HDL-Cholesterol	>=1.00	mmol/L
Fasting Triglycerides	<2.0	mmol/L
Non-HDL Cholesterol	<2.5	mmol/L

Increased non-HDL Cholesterol is the most significant marker for subclinical atherosclerosis (ref: Cardiology Today 2013; 3(2) : pp25-27).

CA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol,E/LFT,FBE

Tests Pending : Iron Studies,C trach PCR,N gono PCR,TSH,HBsAg,
HepC-IgG, HIV Ag/Ab,Syphilis Serology,Testosterone,
HbA1c,Urine MCS

Sample Pending :

TEMPLETON, KANE
12 OLIVIA STREET, CANNONVALE. 4802

Phone: 0438563296

Birthdate: 26/04/1988 Sex: M Medicare Number: 3105088922

Your Reference: 0ACE832261 Lab Reference: 528649767-C-C140

Laboratory: SNP

Addressee: DR CHLOE M ANTONY

Referred by:

DR CHLOE M ANTONY

Name of Test: S-_ROUTINE CHEMISTRY

Requested: 10/01/2025

Collected: 10/01/2025

Reported: 11/01/2025

12:25

Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

Chemistry (serum)

Date	10-Sep-15	10-Jan-25	Latest Results	
Time F-Fast	1133 F	1005		
Lab Id.	599481941	528649767	Reference	Units
Sodium		139	(135-145)	mmol/L
Potassium		4.9	(3.5-5.5)	mmol/L

Chloride	104	(95-110)	mmol/L
Bicarbonate	27	(20-32)	mmol/L
Anion Gap	8	(<16)	mmol/L
Calcium (Corr.)	2.26	(2.10-2.60)	mmol/L
Phosphate	0.90	(0.80-1.50)	mmol/L
Urea	3.6	(3.0-8.0)	mmol/L
Urate	0.286	(0.200-0.500)	mmol/L
Creatinine	71	(60-110)	umol/L
eGFR	>90	(>59)	
Random Glucose	4.0	(3.6-7.7)	mmol/L
Total Protein	70	67	(66-83) g/L
Albumin	43	45	(35-48) g/L
Globulin	27	22 L	(23-43) g/L
T Bilirubin	12	21 H	(<21) umol/L
ALP	68	72	(35-110) U/L
AST	31	21	(10-40) U/L
ALT	30	29	(5-40) U/L
GGT	36	37	(5-50) U/L
LD		183	(<250) U/L
Cholesterol		5.8 H	(<5.6) mmol/L
Triglyceride		1.5	(<2.1) mmol/L
Haemolysis Index	3	6	(<40) mg/dL

CA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol,E/LFT,FBE

Tests Pending : Iron Studies,C trach PCR,N gono PCR,TSH,HBsAg,
HepC-IgG,_HIV Ag/Ab,Syphilis Serology,Testosterone,
HbA1c,Urine MCS

Sample Pending :

TEMPLETON, KANE
12 OLIVIA STREET, CANNONVALE. 4802
Phone: 0438563296
Birthdate: 26/04/1988 **Sex:** M **Medicare Number:** 3105088922
Your Reference: 0ACE832261 **Lab Reference:** 528649767-E-E030
Laboratory: SNP
Addressee: DR CHLOE M ANTONY **Referred by:** DR CHLOE M ANTONY

Name of Test: S- THYROID FUNCTION

Requested: 10/01/2025 **Collected:** 10/01/2025 **Reported:** 11/01/2025 13:25

Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

Thyroid Function Tests

TSH 1.1 (0.3 - 3.5) mIU/L

Comments on Collection 528649767

Euthyroid

EA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol,E/LFT,TSH,HBsAg,HepC-IgG,_HIV Ag/Ab,
HepB Serology,Syphilis Serology,Testosterone,HbA1c,FBE

Tests Pending : Iron Studies,C trach PCR,N gono PCR,Urine MCS

Sample Pending :

TEMPLETON, KANE
12 OLIVIA STREET, CANNONVALE. 4802

Phone: 0438563296
Birthdate: 26/04/1988 Sex: M Medicare Number: 3105088922
Your Reference: 0ACE832261 Lab Reference: 528649767-E-E140
Laboratory: SNP
Addressee: DR CHLOE M ANTONY Referred by: DR CHLOE M ANTONY

Name of Test: S- HEPATITIS ABC
Requested: 10/01/2025 Collected: 10/01/2025 Reported: 11/01/2025 13:25

Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

Hep ABC

		Latest Results		
Date	24-Apr-15	10-Jan-25		
Time	1401	1005		
Lab Id.	599481815	528649767	Reference	Units

HepBsAg	Negative	Negative
HepC-IgG	Negative	Negative

Comments on Collection 10-Jan-25 1005:
Hepatitis C IgG may not appear for up to six (6) months after primary infection.
If this is acute phase serum, suggest repeat at a suitable interval.

No evidence of active Hepatitis B infection. If this is an acute sample then retesting in 60-90 days (range 45-180 days) post exposure is indicated.
For further information on serological events in acute (self-limiting) Hepatitis B infection see
<http://protocols.sonichealthcare.com/shared/IP129.pdf>

EA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol, E/LFT, TSH, HBsAg, HepC-IgG, HIV Ag/Ab, HepB Serology, Syphilis Serology, Testosterone, HbA1c, FBE
Tests Pending : Iron Studies, C trach PCR, N gono PCR, Urine MCS
Sample Pending :

TEMPLETON, KANE
12 OLIVIA STREET, CANNONVALE. 4802
Phone: 0438563296
Birthdate: 26/04/1988 Sex: M Medicare Number: 3105088922
Your Reference: 0ACE832261 Lab Reference: 528649767-E-E117
Laboratory: SNP
Addressee: DR CHLOE M ANTONY Referred by: DR CHLOE M ANTONY

Name of Test: S- HIV 1/2
Requested: 10/01/2025 Collected: 10/01/2025 Reported: 11/01/2025 13:25

Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

HIV Ag/Ab

		Latest Results		
Date	24-Apr-15	10-Jan-25		
Time	1401	1005		
Lab Id.	599481815	528649767	Reference	Units

HIV Ag/Ab	Negative	Negative
-----------	----------	----------

Comments on Collection 10-Jan-25 1005:
HIV-1/HIV-2 antigen/antibody assay performed by Abbott CMIA.

Approximately 50-90% of patients report signs and symptoms suggestive of primary HIV infection at the time of seroconversion, which mostly occurs at

10-14 days after exposure (range 3 days to 10 weeks). Onset of symptoms often coincides with the detection of HIV antigen/antibodies although testing can be negative for up to 3 weeks after symptoms develop. Negative results performed less than 12 weeks after exposure should be repeated at least 12 weeks after exposure to exclude transmission.

EA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol,E/LFT,TSH,HBsAg,HepC-IgG,_HIV Ag/Ab,
HepB Serology,Syphilis Serology,Testosterone,HbA1c,FBE
Tests Pending : Iron Studies,C trach PCR,N gono PCR,Urine MCS
Sample Pending :

TEMPLETON, KANE
12 OLIVIA STREET, CANNONVALE. 4802
Phone: 0438563296
Birthdate: 26/04/1988 Sex: M Medicare Number: 3105088922
Your Reference: OACE832261 Lab Reference: 528649767-E-S253
Laboratory: SNP
Addressee: DR CHLOE M ANTONY Referred by: DR CHLOE M ANTONY

Name of Test: S- Syphilis Virtual
Requested: 10/01/2025 Collected: 10/01/2025 Reported: 11/01/2025 13:25

Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

Syphilis Serology

		Latest Results	
Date	24-Apr-15	10-Jan-25	
Time	1401	1005	
Lab Id.	599481815	528649767	Reference Units

Syphilis Antibody Negative Negative

Comments on Collection 10-Jan-25 1005:

No treponemal antibodies detected.

The Syphilis TP Chemiluminescent Microparticle Immunoassay (CMIA) is a screening test for T.pallidum antibodies.

This result may indicate:

1. no exposure to T.pallidum.
2. very early primary syphilis. If risk factors exist a further sample should be tested in 2-3 weeks. In symptomatic patients, a swab of mucocutaneous lesions for the detection of T.pallidum DNA by PCR may be positive before antibody production commences.

EA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol,E/LFT,TSH,HBsAg,HepC-IgG,_HIV Ag/Ab,
HepB Serology,Syphilis Serology,Testosterone,HbA1c,FBE
Tests Pending : Iron Studies,C trach PCR,N gono PCR,Urine MCS
Sample Pending :

TEMPLETON, KANE
12 OLIVIA STREET, CANNONVALE. 4802
Phone: 0438563296
Birthdate: 26/04/1988 Sex: M Medicare Number: 3105088922
Your Reference: OACE832261 Lab Reference: 528649767-E-E515
Laboratory: SNP
Addressee: DR CHLOE M ANTONY Referred by: DR CHLOE M ANTONY

Name of Test: S- ANDROGENS
Requested: 10/01/2025 Collected: 10/01/2025 Reported: 11/01/2025 13:25

Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

Androgens

Testosterone 15.3 (11.0 - 40.0) nmol/L

EA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol,E/LFT,TSH,HBsAg,HepC-IgG,_HIV Ag/Ab,
HepB Serology,Syphilis Serology,Testosterone,HbA1c,FBE

Tests Pending : Iron Studies,C trach PCR,N gono PCR,Urine MCS

Sample Pending :

TEMPLETON, KANE

12 OLIVIA STREET, CANNONVALE. 4802

Phone: 0438563296

Birthdate: 26/04/1988 Sex: M Medicare Number: 3105088922

Your Reference: 0ACE832261 Lab Reference: 528649767-H-E416

Laboratory: SNP

Addressee: DR CHLOE M ANTONY Referred by: DR CHLOE M ANTONY

Name of Test: HBA1C

Requested: 10/01/2025 Collected: 10/01/2025 Reported: 11/01/2025 13:25

Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

HbA1c

HbA1c (NGSP) 5.4 (<6.5) %
HbA1c (IFCC) 35 (<48) mmol/mol
Comments on Collection 528649767

The currently accepted cut-point for diagnosis of Type 2 Diabetes is an HbA1c level equal to or greater than 6.5% (48 mmol/mol) in patients with normal red blood cell turnover.

An abnormal screening HbA1c equal to or greater than 6.5% (48 mmol/mol) should be confirmed by a repeat HbA1c level as soon as possible, prior to any dietary adjustment or therapeutic intervention.

If the follow up HbA1c is less than 6.5% (48mmol/mol) then the patient does not have diabetes and should be rescreened in 12 months time.

(Ref: MJA 197/4:220-221 (2012))

Patients with HbA1c levels of 5.7 - 6.4% (38 - 46 mmol/mol) may still have a slightly increased risk of microvascular complications according to the AusDiab study.

The Medicare item for HbA1C for diagnosis of Diabetes Mellitus is limited to one test per 12 months; for monitoring Diabetes testing remains unchanged - 4 tests per 12 months.

Further information may be found at MBS online

<http://www9.health.gov.au/mbs/search.cfm>

An alternative test to monitor diabetes such as serum fructosamine is advisable in the presence of altered red cell lifespan.

HbA1c performed on the Sebia Cap3 analyser by capillary electrophoresis.

HA

PDF Image Enhanced Report

A PDF version of this report with images is available until 11-01-2026. Copy and paste the URL below into your web browser and use PIN 0491 to access the report.

<https://sdrviewer.apps.sonichealthcare.com/?GUID=B842884A-CFCB-11EF-A578-9305DA254398&hostCode=SNP&shareType=1>

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol,E/LFT,TSH,HBsAg,HepC-IgG,_HIV Ag/Ab,

HepB Serology, Syphilis Serology, Testosterone, HbA1c, FBE
Tests Pending : Iron Studies, C trach PCR, N gono PCR, Urine MCS
Sample Pending :

TEMPLETON, KANE
12 OLIVIA STREET, CANNONVALE. 4802
Phone: 0438563296
Birthdate: 26/04/1988 Sex: M Medicare Number: 3105088922
Your Reference: 0ACE832261 Lab Reference: 528649767-C-H245
Laboratory: SNP
Addressee: DR CHLOE M ANTONY Referred by: DR CHLOE M ANTONY
Name of Test: .ANAEMIA
Requested: 10/01/2025 Collected: 10/01/2025 Reported: 11/01/2025 14:25
Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

Haematinics

Iron	48 H	(5 - 30)	umol/L
Transferrin	3.0	(1.9 - 3.1)	g/L
TIBC	75	(47 - 77)	umol/L
Saturation	64 H	(20 - 45)	%
Ferritin	101	(30 - 300)	ug/L

Comments on Lab Id: 528649767

High transferrin saturation in the presence of normal ferritin raises the possibility of early or treated haemochromatosis or recent iron ingestion.

AD

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol, Iron Studies, E/LFT, TSH, HBsAg,
HepC-IgG, _HIV Ag/Ab, HepB Serology, Syphilis Serology,
Testosterone, HbA1c, FBE
Tests Pending : C trach PCR, N gono PCR, Urine MCS
Sample Pending :

TEMPLETON, KANE
12 OLIVIA STREET, CANNONVALE. 4802
Phone: 0438563296
Birthdate: 26/04/1988 Sex: M Medicare Number: 3105088922
Your Reference: 0ACE832261 Lab Reference: 528649767-M-M210
Laboratory: SNP
Addressee: DR CHLOE M ANTONY Referred by: DR CHLOE M ANTONY
Name of Test: URINE MCS1
Requested: 10/01/2025 Collected: 10/01/2025 Reported: 11/01/2025 18:25
Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

Urine - Microscopy/Culture/Sensitivity

Specimen type	Urine
pH	8
Protein	Nil
Glucose	Nil
Specific Gravity	1.005 (1.005 - 1.030)
Leucocytes	<10 (<10) x 10 ⁶ /L
Erythrocytes	<10 (<10) x 10 ⁶ /L
Squam Epi Cells	<10 x 10 ⁶ /L
Culture	Culture proceeding

AM

*** The above result is provisional. Finalised report to follow. ***

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol, Iron Studies, E/LFT, TSH, HBsAg,
HepC-IgG, HIV Ag/Ab, HepB Serology, Syphilis Serology,
Testosterone, HbA1c, FBE

Tests Pending : C trach PCR, N gono PCR, Urine MCS

Sample Pending :

TEMPLETON, KANE
12 OLIVIA STREET, CANNONVALE. 4802
Phone: 0438563296
Birthdate: 26/04/1988 Sex: M Medicare Number: 3105088922
Your Reference: 0ACE832261 Lab Reference: 528649767-M-M210
Laboratory: SNP
Addressee: DR CHLOE M ANTONY Referred by: DR CHLOE M ANTONY

Name of Test: URINE MCS1
Requested: 10/01/2025 Collected: 10/01/2025 Reported: 12/01/2025 08:25

Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

Urine - Microscopy/Culture/Sensitivity

Specimen type	Urine
pH	8
Protein	Nil
Glucose	Nil
Specific Gravity	1.005 (1.005 - 1.030)
Leucocytes	<10 (<10) x 10 ⁶ /L
Erythrocytes	<10 (<10) x 10 ⁶ /L
Squam Epi Cells	<10 x 10 ⁶ /L

Culture No pathogens isolated

MICROAB

FINAL REPORT - Updated on 12/01/2025 at 08:08

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol, Iron Studies, E/LFT, TSH, HBsAg,
HepC-IgG, HIV Ag/Ab, HepB Serology, Syphilis Serology,
Testosterone, HbA1c, FBE, Urine MCS

Tests Pending : C trach PCR, N gono PCR

Sample Pending :

TEMPLETON, KANE
12 OLIVIA STREET, CANNONVALE. 4802
Phone: 0438563296
Birthdate: 26/04/1988 Sex: M Medicare Number: 3105088922
Your Reference: 0ACE832261 Lab Reference: 528649767-D-D353
Laboratory: SNP
Addressee: DR CHLOE M ANTONY Referred by: DR CHLOE M ANTONY

Name of Test: C trachomatis PCR
Requested: 10/01/2025 Collected: 10/01/2025 Reported: 13/01/2025 11:25

Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

Chlamydia trachomatis PCR

Site Urine

Chlamydia trachomatis DNA Not Detected
Comments on Collection 528649767

Chlamydia trachomatis DNA has not been detected by PCR using specific primers and probes targeting cryptic plasmid and the ompA gene. For further enquiries regarding these results please contact Dr Jenny Robson or Dr Sarah Cherian (07 3377 8534).

MA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol,Iron Studies,E/LFT,C trach PCR,
N gono PCR,TSH,HBsAg,HepC-IgG,_HIV Ag/Ab,
HepB Serology,Syphilis Serology,Testosterone,HbA1c,
FBE,Urine MCS

Tests Pending :
Sample Pending :

TEMPLETON, KANE
12 OLIVIA STREET, CANNONVALE. 4802
Phone: 0438563296
Birthdate: 26/04/1988 **Sex:** M **Medicare Number:** 3105088922
Your Reference: 0ACE832261 **Lab Reference:** 528649767-D-D403
Laboratory: SNP
Addressee: DR CHLOE M ANTONY **Referred by:** DR CHLOE M ANTONY

Name of Test: N gonorrhoeae PCR
Requested: 10/01/2025 **Collected:** 10/01/2025 **Reported:** 13/01/2025 11:25

Clinical notes: Preconception investigations

Clinical Notes : Preconception investigations

Neisseria gonorrhoeae PCR

Site Urine
Neisseria gonorrhoeae DNA Not Detected
Comments on Collection 528649767

Neisseria gonorrhoeae DNA has not been detected in this sample by PCR using specific primers and probes targeting genomic DNA sequences. For further enquiries regarding these results please contact Dr Jenny Robson or Dr Sarah Cherian (07 3377 8534).

MA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol,Iron Studies,E/LFT,C trach PCR,
N gono PCR,TSH,HBsAg,HepC-IgG,_HIV Ag/Ab,
HepB Serology,Syphilis Serology,Testosterone,HbA1c,
FBE,Urine MCS

Tests Pending :
Sample Pending :

TEMPLETON, KANE
10/2 LEWIS STREET, AIRLIE BEACH. 4802
Phone: 0438563296
Birthdate: 26/04/1988 **Sex:** M **Medicare Number:** 3105088922
Your Reference: 46722304B7 **Lab Reference:** 532565312-D-D010
Laboratory: SNP
Addressee: DR MIEKO UDO **Referred by:** DR MIEKO UDO

Name of Test: HFE
Requested: 18/02/2025 **Collected:** 26/02/2025 **Reported:** 03/03/2025 16:20

Clinical notes: 36M previously elevated iron and ferritin, symptoms of fatigue, HTN

Clinical Notes : 36M previously elevated iron and ferritin,

symptoms of fatigue, HTN

Haemochromatosis Genotyping

Specimen	EDTA Blood
C282Y	Mutation Not Detected
H63D	Mutation Not Detected

Please note these variants are known as c.845G>A, p.Cys282Tyr, c.187C>G, p.His63Asp, and when reported c.193A>T, p.Ser65Cys, according to HGVS nomenclature; RefSeqGene: NG_008720.1 (HFE).
Comments on Collection 532565312

Normal HFE genotype. The two HFE mutations that account for >90% of hereditary haemochromatosis in patients of Northern European descent were NOT detected. This result is NOT consistent with HFE-associated haemochromatosis.

Note that elevated ferritin can be seen in inflammatory states (e.g. infection, autoimmune disease or malignancy), or as a result of hepatic pathology (e.g. viral hepatitis, alcohol-related liver disease and non-alcoholic fatty liver disease).

If there is clinical suspicion of haemochromatosis (persistent hyperferritinaemia and transferrin saturation>45%), referral to a Gastroenterologist or Haematologist may be indicated, as there are other rare causes of iron overload and haemochromatosis.

Test Information:

Testing was performed utilising endpoint genotyping on the LC480 and pyrosequencing of codons 63 to 65 of the HFE gene, where required. This result does not exclude mutations being present at other locations within the HFE gene (RefSeq: NG_008720.1).

NPAAC guidelines suggest that repeat testing on a separately collected specimen may be warranted for genetic tests to identify any potential errors in specimen collection, testing or reporting. Repeat testing is especially recommended if the results will impact significantly on clinical management, or if the results are inconsistent with family history, clinical features or other laboratory results.

For clinician enquiries regarding these results, please contact Dr James Harraway (07 3377 8666).

MT

Sullivan Nicolaidis Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HFE PCR
Tests Pending :
Sample Pending :

