

Referrer **Dr Tendai A Muchedzi**

Address AUSSIE SCRIPTS PO BOX 421
NORTH LAKES QLD 4509

Phone 0734917189

Lab ID **528194855**

DOB **19/01/1981 (44 Yrs FEMALE)**

Your ref.

Address 318 MANDALAY ROAD
MANDALAY QLD 4802

Phone 0407678973

Copy to

Clinical Notes Not Provided

Requested 20/05/2025

Collected 21/05/2025 08:53

Received 21/05/2025 08:54

Copper

| Test Name | Result | Reference Interval | Units |
|--------------|--------|--------------------|--------|
| Copper-serum | 18.8 | 13.0 - 25.0 | umol/L |

CA

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Reported on 22-May-25 19:08

Zinc

| Test Name | Result | Reference Interval | Units |
|-------------|--------|--------------------|--------|
| Zinc-plasma | 11.8 | 9.0 - 19.0 | umol/L |

CA

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Reported on 22-May-25 16:13

Referrer **Dr Tendai A Muchedzi**

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| Test Name | Result | Reference Interval | Units |
|------------------|--------------|--------------------|--------|
| Sodium | 138 | 135 - 145 | mmol/L |
| Potassium | 4.4 | 3.5 - 5.5 | mmol/L |
| Chloride | 106 | 95 - 110 | mmol/L |
| Bicarbonate | 24 | 20 - 32 | mmol/L |
| Anion Gap | 8 | <16 | mmol/L |
| Urea | 3.6 | 2.5 - 7.0 | mmol/L |
| Creatinine | 74 | 45 - 85 | umol/L |
| eGFR | 85 | >59 | |
| Glucose fasting | 4.7 | 3.6 - 6.0 | mmol/L |
| Total Protein | 73 | 64 - 81 | g/L |
| Albumin | 39 | 33 - 46 | g/L |
| Globulin | 34 | 23 - 43 | g/L |
| Bilirubin | 10 | <16 | umol/L |
| ALP | 53 | 20 - 105 | U/L |
| AST | 25 | 10 - 35 | U/L |
| ALT | 24 | 5 - 30 | U/L |
| GGT | 19 | 5 - 35 | U/L |
| ● Cholesterol | 5.7 H | <5.6 | mmol/L |
| Triglyceride | 1.2 | <2.1 | mmol/L |
| Haemolysis Index | 5 | <40 | |

CA

SULLIVAN NICOLAIDES PTY LTD. ABN 38 078 202 196. NATA/RCPA ACCREDITATION NO 1964

Reported on 22-May-25 00:36

Referrer **Dr Tendai A Muchedzi**

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C Reactive Protein

| Test Name | Result | Reference Interval | Units |
|-----------|--------|--------------------|-------|
| CRP | 1.3 | <5 | mg/L |

Comments

CRP is a more sensitive early indicator of an acute phase response than is ESR. It also returns towards normal more rapidly with improvement or resolution of the disease process.

If CRP is elevated, it can indicate disease activity of an inflammatory, infective or neoplastic nature.

Artefactually decreased CRP values occur when patients are treated with antibiotics containing carboxypenicillins including Ticarcillin.

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Lipid Profile

| Test Name | Result | Reference Interval | Units |
|---------------|--------------|--------------------|--------|
| ● Cholesterol | 5.7 H | <5.6 | mmol/L |
| Triglyceride | 1.2 | <2.1 | mmol/L |
| HDL | 2.27 | >1.09 | mmol/L |
| LDL | 3.0 | <4.1 | mmol/L |
| Tot Chol/HDL | 2.5 | <4.6 | |
| Non HDLC | 3.43 | <3.81 | mmol/L |

Comments

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 \geq 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).

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Thyroid Function Tests

| Test Name | Result | Reference Interval | Units |
|-----------|--------|--------------------|--------|
| Free T4 | 9.8 | 9.0 - 19.0 | pmol/L |
| Free T3 | 3.6 | 3.1 - 6.0 | pmol/L |
| TSH | 1.7 | 0.3 - 3.5 | mIU/L |

Comments

Euthyroid.

EA

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Gonadal Hormones

| Test Name | Result | Reference Interval | Units |
|--------------|--------|--------------------|--------|
| FSH | 3 | | IU/L |
| LH | 1 | | IU/L |
| Oestradiol | 383 | | pmol/L |
| Progesterone | 39 | | nmol/L |

| Reference Limits | FSH IU/L | LH IU/L | Oestradiol pmol/L | Progesterone nmol/L |
|------------------|----------|---------|-------------------|---------------------|
| Follicular | 2 - 10 | 2 - 7 | 110 - 180 | <0.5 - 2.5 |
| Mid-Cycle | 7 - 24 | 9 - 74 | 550 - 1650 | 2.5 - 12.0 |
| Luteal | 1 - 10 | 1 - 9 | 180 - 840 | 12.0 - 90.0 |
| Menopausal | 20 - 140 | 10 - 65 | <200 | <2.2 |
| OCP | <5 | <9 | <80 | <1.5 |

Comments

Falsely elevated Abbott oestradiol levels may be seen in patients on fulvestrant, mifepristone or abemaciclib.

SM

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Homocysteine

| Test Name | Result | Reference Interval | Units |
|--------------|--------|--------------------|--------|
| Homocysteine | 5.0 | <15 | umol/L |

Comments

Serum homocysteine levels are markedly elevated (50 - 500 umol/L) in homocystinuria which is associated with childhood onset of ocular lens displacement, skeletal abnormalities and arterial and venous thromboses. Moderate elevations of serum homocysteine (16 - 100 umol/L) are seen in folic acid, vitamin B12 and pyridoxine deficiencies, several genetic defects, and renal failure. Elevated levels of serum homocysteine are associated with increased risk of atherosclerosis and venous thromboembolism.

EA

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Insulin

| Test Name | Result | Reference Interval | Units |
|-----------|--------|--------------------|-------|
| S-Insulin | 4 | 3 - 15 | mU/L |

Comments

Please note: The insulin reference interval only refers to a fasting collection
Insulin concentration measured on Abbott Alinity. To convert to pmol/L, please multiply result by 6.
Please note: Different insulin assays may give variable concentrations.
Exogenous insulin use can also result in different concentrations depending on the type of insulin administered.
(Ref. Clin Biochem. 2015 Dec;48(18):1354-7 and Clin Chem Lab Med 2014; 52(3): 355-362)

EA

SULLIVAN NICOLAIDES PTY LTD. ABN 38 078 202 196. NATA/RCPA ACCREDITATION NO 1964

Reported on 22-May-25 02:35

Dehydro Epiandrosterone Sulphate (DHEAS)

| Test Name | Result | Reference Interval | Units |
|-----------|--------|--------------------|--------|
| DHEAS | 5.3 | 1.6 - 11.1 | umol/L |

Comments

DHEAS is performed by Abbott CMIA.
As of 29/05/23 the SNP Reference Intervals for DHEAS have been amended to align with CALIPER Intervals for children and Abbott Intervals for adults.

EA

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HbA1c

| Test Name | Result | Reference Interval | Units |
|--------------|--------|--------------------|----------|
| HbA1c (NGSP) | 4.9 | <6.5 | % |
| HbA1c (IFCC) | 30 | <48 | mmol/mol |

Comments

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

SULLIVAN NICOLAIDES PTY LTD. ABN 38 078 202 196. NATA/RCPA ACCREDITATION NO 1964

Reported on 22-May-25 10:04

Lab ID **528194855**

DOB **19/01/1981 (44 Yrs FEMALE)**

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Collected 21/05/2025 08:53

Received 21/05/2025 08:54

Androgens

| Test Name | Result | Reference Interval | Units |
|-----------|--------|--------------------|--------|
| SHBG | 81 | 20.0 - 110.0 | nmol/L |

Comments

SHBG performed on the Abbott immunoassay.

EA

SULLIVAN NICOLAIDES PTY LTD. ABN 38 078 202 196. NATA/RCPA ACCREDITATION NO 1964

Reported on 22-May-25 02:35

Cortisol

| Test Name | Result | Reference Interval | Units |
|-------------|--------|--------------------|--------|
| Cortisol am | 145 | 100 - 535 | nmol/L |

EA

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Requested 20/05/2025

Collected 21/05/2025 08:53

Received 21/05/2025 08:54

Thyroid Antibodies

| Test Name | Result | Reference Interval | Units |
|-----------------------|--------|--------------------|-------|
| Thyroid Peroxidase Ab | <1.0 | <5.6 | IU/mL |
| Thyroglobulin Ab | <1.0 | <4.1 | IU/mL |

Comments

Thyroid Antibodies: Levels up to 100 IU/mL can occur in normal subjects (5% of males, 15% of females – mainly elderly) and may also occur in non-thyroid autoimmune and chromosomal disorders.

Raised levels may occur in prodromal hypothyroidism before TSH elevations occur and may also be seen in thyrotoxicosis, thyroiditis, non-toxic goitre and thyroid cancer. The levels seen in Graves' Disease and Hashimoto's can vary from normal up to >1000, but are usually elevated.

EA

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Reported on 22-May-25 02:35

Reverse T3

| Test Name | Result | Reference Interval | Units |
|------------|--------|--------------------|--------|
| Reverse T3 | 286 | 140 - 540 | pmol/L |

ES

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Reported on 22-May-25 13:50

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25-OH Vitamin D 96 nmol/L 50 - 150

Comments

Adequate Vitamin D.
Vitamin D measured by Diasorin Liaison.

EA

SULLIVAN NICOLAIDES PTY LTD. ABN 38 078 202 196. NATA/RCPA ACCREDITATION NO 1964

Reported on 22-May-25 01:33

Haematinics

| Test Name | Result | Reference Interval | Units |
|----------------|--------|--------------------|--------|
| Iron | 23 | 5 - 30 | umol/L |
| Transferrin | 2.5 | 1.9 - 3.1 | g/L |
| TIBC | 64 | 47 - 77 | umol/L |
| Saturation | 36 | 20 - 45 | % |
| Ferritin | 60 | 30 - 250 | ug/L |
| CRP | 1.3 | <5 | mg/L |
| Vitamin B12 | 663 | >150 | pmol/L |
| Folate (Serum) | 36 | >7.0 | nmol/L |

Comments

Normal Iron Status.

All patients with low or equivocal vitamin B12 results (400 pmol/L or less) will be routinely tested for holo-transcobalamin (active B12) to clarify the B12 status.
Both tests are now Medicare rebateable. Vitamin B12 concentrations over 400 pmol/L are generally considered replete.

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Haematology

| Test Name | Result | Reference Interval | Units |
|-------------------------|--------|--------------------|---------------------|
| Haemoglobin | 129 | 115 - 165 | g/L |
| Haematocrit | 0.40 | 0.35 - 0.47 | |
| Red cell count | 4.2 | 3.9 - 5.6 | 10 ¹² /L |
| MCV | 97 | 80 - 100 | fL |
| White cell count | 5.9 | 3.5 - 12.0 | 10 ⁹ /L |
| Neutrophils | 2.58 | 1.5 - 8.0 | 10 ⁹ /L |
| Lymphocytes | 2.67 | 1.0 - 4.0 | 10 ⁹ /L |
| Monocytes | 0.48 | 0 - 0.9 | 10 ⁹ /L |
| Eosinophils | 0.09 | 0 - 0.6 | 10 ⁹ /L |
| Basophils | 0.07 | 0 - 0.15 | 10 ⁹ /L |
| Platelets | 295 | 150 - 400 | 10 ⁹ /L |

HA

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Reported on 22-May-25 06:42

The following test(s) could not be performed, as the patient either did not return their self-collect sample(s) or did not return to enable collection of their outstanding tests.
IODINE-R-URINE

SYSTEM MANAGER

SULLIVAN NICOLAIDES PTY LTD. ABN 38 078 202 196. NATA/RCPA ACCREDITATION NO 1964

Reported on 05-Jun-25 00:02

LAB ID 528194855 DOB 19/01/1981 (44Y Female)

Referring Doctor Dr Tendai A Muchedzi

Your ref.

Address 318 Mandalay Road
MANDALAY QLD 4802

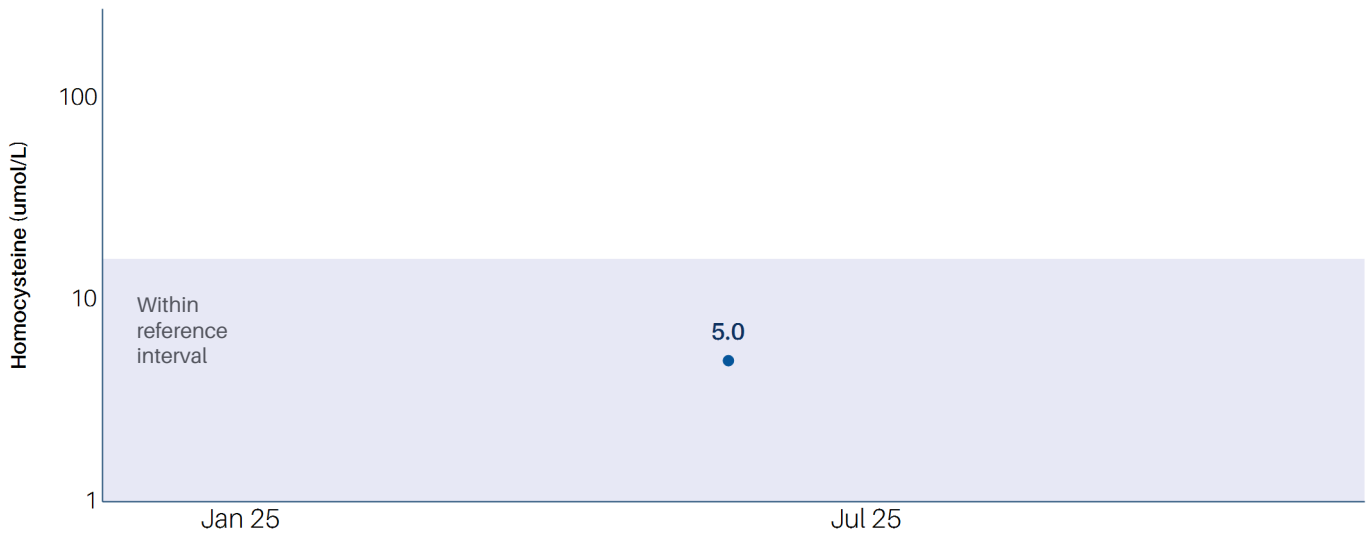
Phone 0407 678 973

Dr Tendai A Muchedzi
Aussie Scripts
Po Box 421
NORTH LAKES QLD 4509




M25723
85139

Requested 20 May 2025
Collected 21 May 2025 08:53 am
Received 21 May 2025 08:54 am
Reported 22 May 2025 02:37 am

Homocysteine



LEGEND

-  Reference interval (<15)
-  Within reference interval
-  Out of reference interval

LAB ID 528194855 DOB 19/01/1981 (44Y Female)

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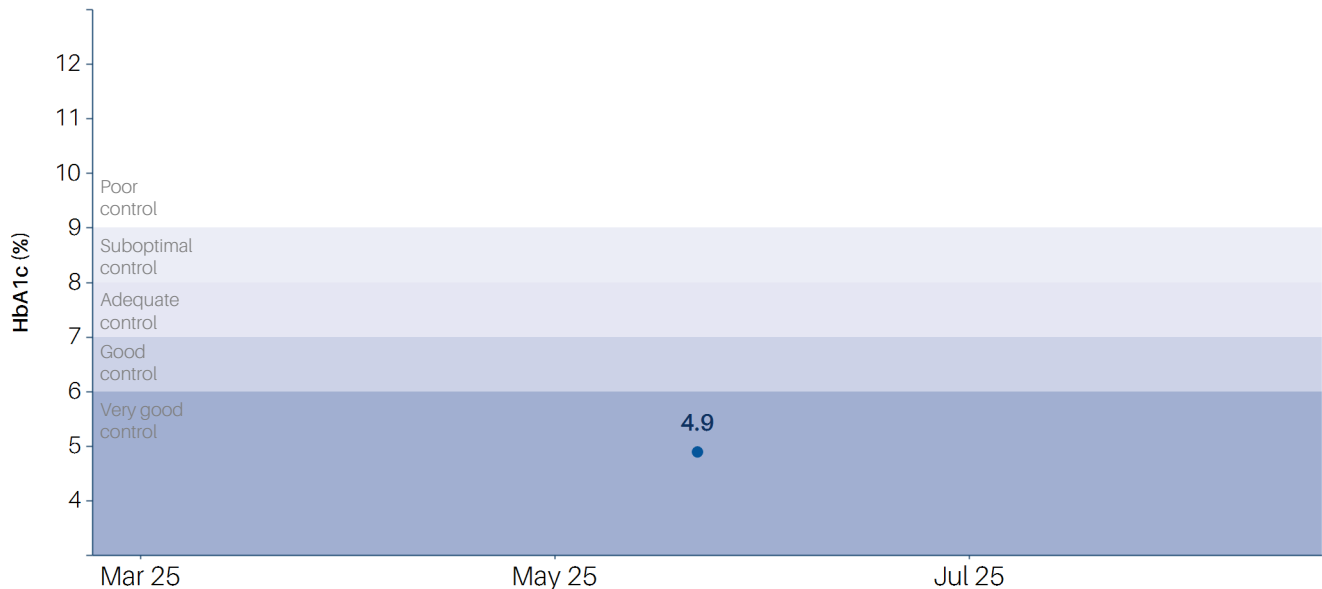
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M25723
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Reported 22 May 2025 10:09 am

Glycated Haemoglobin | HbA1c

Diabetes Monitoring



LEGEND

- | | |
|--|---|
|  Poor control (> 9.0) |  Within reference interval |
|  Suboptimal control (8.1 - 9.0) |  Out of reference interval |
|  Adequate control (7.1 - 8.0) | |
|  Good control (6.1 - 7.0) | |
|  Very good control (<6.1) | |

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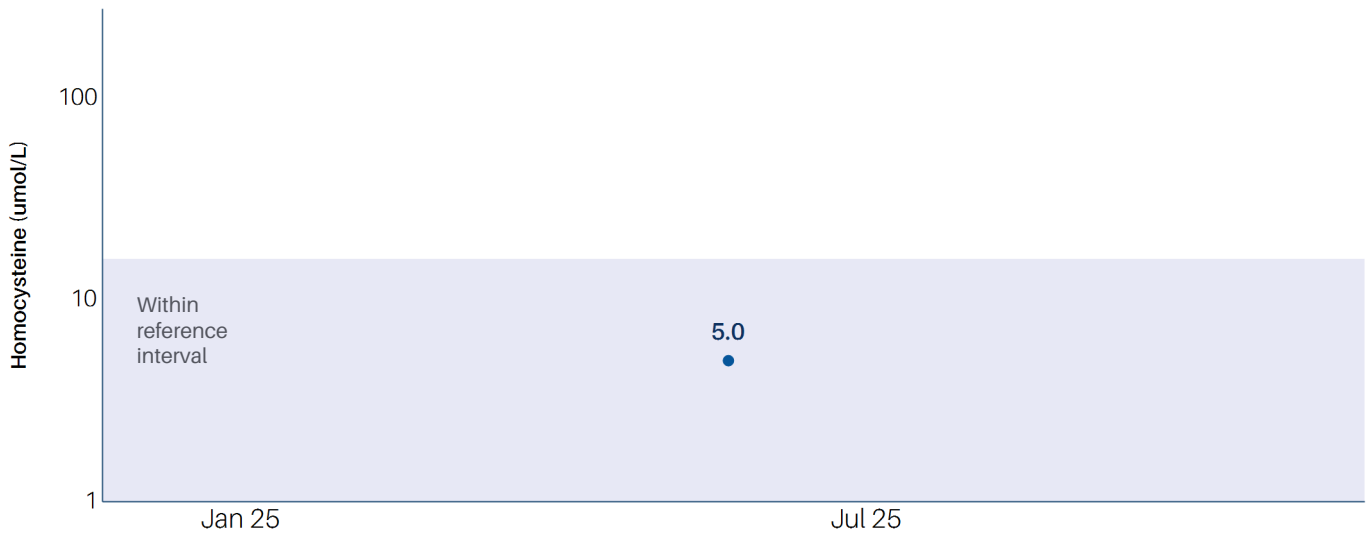
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Homocysteine



LEGEND

- Reference interval (<15)
- Within reference interval
- Out of reference interval