MEADMEDICAL
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Kalamunda 37 Elizabeth Street, Kalamunda WA 6076 | Forrestfield 11 Salix Way, Forrestfield WA 6058
Both sites T: 08 9453 6566 | F: 08 9453 3443 | E: admin@meadmedical.com.au | Healthlink ID: hlkwa054

MCDONALD, EMILY GRACE
56 AMETHYST CRESCENT, MOUNT RICHON. 6112
**Phone:** 0448485899
**Birthdate:** 14/01/1994 **Sex:** F **Medicare Number:** 62202026661
**Your Reference:** 00661503 **Lab Reference:** 25-27748562-BFM-0
**Laboratory:** AUSTRALIAN CLINICAL LABS
**Addressee:** DR MADELINE NAPIER **Referred by:** DR MADELINE ANNE NAPIER
**Copy to:**
DR MADELINE ANNE NAPIER

**Name of Test:** B12, FOLATE (SERUM/RBC)
**Requested:** 14/03/2025 **Collected:** 14/03/2025 **Reported:** 14/03/2025 21:37

CLINICAL NOTES: T1DM, indoor minimal sulignt, iron deficiency ,on

**BIOCHEMISTRY**

**VITAMIN B12 AND FOLATE** **SPECIMEN: SERUM/BLOOD**

| | | | | |
|---|---|---|---|---|
| Date: | **14/03/25** | 16/10/23 | | |
| Time: | 12:05 | 15:55 | | |
| Lab Number: | 27748562 | 82387809 | | |
| Vitamin B12 | 312 | 184 | | pmol/L |
| Active B12 | 115 | 50 | (> 30) | pmol/L |
| Folate | 27.3 | | | nmol/L |

27748562 Normal B12 and folate results.

| RANGES | B12 | Serum Folate |
|---|---|---|
| Normal | > 180 | > 10.0 |
| Equivocal | 150 - 180 | 5.0 - 10.0 |
| Deficient | < 150 | < 5.0 |

TESTS COMPLETED: BFO, AVB, FBE, IS, ECU, LFT, GHB, OHD, TFT, FT4,
INCOMPLETE TESTS: GLI, TTG,

MCDONALD, EMILY GRACE
56 AMETHYST CRESCENT, MOUNT RICHON. 6112
**Phone:** 0448485899
**Birthdate:** 14/01/1994 **Sex:** F **Medicare Number:** 62202026661
**Your Reference:** 00661503 **Lab Reference:** 25-27748562-TMA-0
**Laboratory:** AUSTRALIAN CLINICAL LABS
**Addressee:** DR MADELINE NAPIER **Referred by:** DR MADELINE ANNE NAPIER
**Copy to:**
DR MADELINE ANNE NAPIER

**Name of Test:** TFT MASTER PANEL
**Requested:** 14/03/2025 **Collected:** 14/03/2025 **Reported:** 14/03/2025 21:27

CLINICAL NOTES: T1DM, indoor minimal sulignt, iron deficiency ,on

**ENDOCRINOLOGY**

**THYROID FUNCTION TEST** **SPECIMEN: SERUM**

| | | | | |
|---|---|---|---|---|
| Date: | 14/03/25 | 12/09/24 | 16/10/23 | |
| Coll. Time: | 12:05 | 15:38 | 15:55 | |
| Lab Number: | 27748562 | 22807074 | 82387809 | |
| Free T4 | 17.1 | 16.7 | 14.5 | (9.0 - 25.0) pmol/L |
| TSH | 3.42 * | **4.68** * | **5.07** | (0.40 - 4.00)mIU/L |

27748562 On thyroxine. Consistent with adequate replacement.

TESTS COMPLETED: FBE, IS, ECU, LFT, GHB, OHD, TFT, FT4,
INCOMPLETE TESTS: BFO, AVB, GLI, TTG,

MCDONALD, EMILY GRACE
56 AMETHYST CRESCENT, MOUNT RICHON. 6112
**Phone:** 0448485899
**Birthdate:** 14/01/1994 **Sex:** F **Medicare Number:** 62202026661
**Your Reference:** 00661503 **Lab Reference:** 25-27748562-OHD-0
**Laboratory:** AUSTRALIAN CLINICAL LABS
**Addressee:** DR MADELINE NAPIER **Referred by:** DR MADELINE ANNE NAPIER
**Copy to:**
DR MADELINE ANNE NAPIER

**Name of Test:** VITAMIN D
**Requested:** 14/03/2025 **Collected:** 14/03/2025 **Reported:** 14/03/2025 20:50

CLINICAL NOTES: T1DM, indoor minimal sulignt, iron deficiency ,on

**BIOCHEMISTRY**

**VITAMIN D** **SPECIMEN: SERUM**

| Date | Time | Lab No. | 25-hydroxy Vitamin D | | |
|---|---|---|---|---|---|
| **14/03/25** | **12:05** | **27748562** | 54 | (50 - 200) | nmol/L |
| 16/10/23 | 15:55 | 82387809 | * 41 | | |

27748562 Vitamin D is within normal limits.

Interpretation:
Vitamin D deficiency <50 nmol/L
Severe deficiency <20 nmol/L

COMMENT: Vitamin D sufficiency is defined as greater than or equal to 50 nmol/L at the end of winter (level may need to be 10-20 nmol/L higher at the end of summer).

Reference: Position Statement. Vitamin D and Health in Adults in Australia and New Zealand. MJA,196(11): 686-687, 2012.

TESTS COMPLETED: FBE, IS, ECU, LFT, GHB, OHD,
INCOMPLETE TESTS: BFO, AVB, GLI, TTG, TFT, FT4,

MCDONALD, EMILY GRACE
56 AMETHYST CRESCENT, MOUNT RICHON. 6112
**Phone:** 0448485899
**Birthdate:** 14/01/1994 **Sex:** F **Medicare Number:** 62202026661
**Your Reference:** 00661503 **Lab Reference:** 25-27748562-MBI-0
**Laboratory:** AUSTRALIAN CLINICAL LABS
**Addressee:** DR MADELINE NAPIER **Referred by:** DR MADELINE ANNE NAPIER
**Copy to:**

DR MADELINE ANNE NAPIER

**Name of Test:** MULTIPLE BIOCHEM ANALYSIS
**Requested:** 14/03/2025 **Collected:** 14/03/2025 **Reported:** 14/03/2025 20:50

CLINICAL NOTES: T1DM, indoor minimal sulignt, iron deficiency ,on

**GENERAL CHEMISTRY** **SPECIMEN: SERUM**

| | **14/03/25** | | 12/09/24 | 16/10/23 | | |
|---|---|---|---|---|---|---|
| Date: | | | | | | |
| Coll. Time: | 12:05 | | 15:38 | 15:55 | | |
| Lab Number: | 27748562 | | 22807074 | 82387809 | | |
| Sodium | 138 | | 138 | 141 | (135 - 145) | mmol/L |
| Potassium | 4.8 | | 4.1 | 4.3 | (3.5 - 5.2) | mmol/L |
| Chloride | 105 | | 103 | 104 | (95 - 110) | mmol/L |
| Bicarbonate | 28 | * | **33** | 27 | (22 - 32) | mmol/L |
| Anion Gap | 10 | * | **6** | 14 | (9 - 19) | mmol/L |
| Urea | 4.7 | | 5.0 | 4.3 | (3.0 - 7.0) | mmol/L |
| Creatinine | 71 | | 75 | 73 | (45 - 90) | umol/L |
| eGFR | > 90 | | > 90 | > 90 | (> 59) | mL/min/1.73m2 |
| T.Protein | 71 | | 77 | 73 | (60 - 80) | g/L |
| Albumin | 43 | | 45 | 46 | (35 - 50) | g/L |
| Globulin | 28 | | 32 | 27 | (23 - 39) | g/L |
| ALP | 72 | | 86 | 95 | (30 - 110) | U/L |
| Bilirubin | 8 | | 8 | 8 | (3 - 20) | umol/L |
| GGT | < 7 | | 10 | 10 | (5 - 35) | U/L |
| AST | 20 | | 15 | 19 | (5 - 30) | U/L |
| ALT | 17 | | 14 | 17 | (5 - 35) | U/L |

27748562 Electrolytes, liver and renal function within normal limits.

TESTS COMPLETED: FBE, IS, ECU, LFT, GHB, OHD,
INCOMPLETE TESTS: BFO, AVB, GLI, TTG, TFT, FT4,

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56 AMETHYST CRESCENT, MOUNT RICHON. 6112
**Phone:** 0448485899
**Birthdate:** 14/01/1994 **Sex:** F **Medicare Number:** 62202026661
**Your Reference:** 00661503 **Lab Reference:** 25-27748562-ISM-0
**Laboratory:** AUSTRALIAN CLINICAL LABS
**Addressee:** DR MADELINE NAPIER **Referred by:** DR MADELINE ANNE NAPIER
**Copy to:**
DR MADELINE ANNE NAPIER

**Name of Test:** IRON MASTER
**Requested:** 14/03/2025 **Collected:** 14/03/2025 **Reported:** 14/03/2025 20:50

CLINICAL NOTES: T1DM, indoor minimal sulignt, iron deficiency ,on

**BIOCHEMISTRY**

**IRON STUDIES** **SPECIMEN: SERUM**

| | **14/03/25** | 16/10/23 | | |
|---|---|---|---|---|
| Date: | | | | |
| Coll. Time: | 12:05 | 15:55 | | |
| Lab Number: | 27748562 | 82387809 | | |
| Iron | 18.4 | 16.6 | (10.0 - 30.0) | umol/L |
| Transferrin | 2.52 | 2.62 | (2.10 - 3.80) | g/L |
| Saturation | 29 | 25 | (15 - 45) | % |
| Ferritin | 41 | 58 | (30 - 200) | ug/L |

27748562 Iron studies are within normal limits.

TESTS COMPLETED: FBE, IS, ECU, LFT, GHB, OHD,

INCOMPLETE TESTS: BFO, AVB, GLI, TTG, TFT, FT4,

MCDONALD, EMILY GRACE
56 AMETHYST CRESCENT, MOUNT RICHON. 6112
**Phone:** 0448485899
**Birthdate:** 14/01/1994 **Sex:** F **Medicare Number:** 62202026661
**Your Reference:** 00661503 **Lab Reference:** 25-27748562-GHB-0
**Laboratory:** AUSTRALIAN CLINICAL LABS
**Addressee:** DR MADELINE NAPIER **Referred by:** DR MADELINE ANNE NAPIER
**Copy to:**
DR MADELINE ANNE NAPIER

**Name of Test:** GLYCATED HB
**Requested:** 14/03/2025 **Collected:** 14/03/2025 **Reported:** 14/03/2025 20:21

CLINICAL NOTES: T1DM, indoor minimal sulignt, iron deficiency ,on

**BIOCHEMISTRY**

**HAEMOGLOBIN A1c** **SPECIMEN: WHOLE BLOOD**

| | | | | | |
|---|---|---|---|---|---|
| Coll. Date: | | **14/03/25** | | 16/10/23 | |
| Coll. Time: | | 12:05 | | 15:55 | |
| Lab Number: | | 27748562 | | 82387809 | |
| IFCC HbA1c | | 60 | | 58 | mmol/mol |
| DCCT HbA1c | ** | **7.6** | ** | **7.5** | % |
| Av. Glucose (eAG) | | 9.5 | | 9.3 | mmol/L |

27748562 History of diabetes. The Australian Diabetes Society (ADS) recommend individualised HbA1c targets depending on the patient's age, comorbidities and any hypoglycaemia (ADS position statement 2009). HbA1c remains above 53 mmol/moL (7%) target.
RECOMMENDATIONS
Consider review of diabetes management, if appropriate. Suggest repeat HbA1c in 3 months. Also suggest urine microalbumin and fasting lipids.

Please note that Hb A1c results may be influenced by conditions affecting red cells or their survival times such as haemoglobinopathies, anaemias, recent transfusion or blood loss.

tm

TESTS COMPLETED: FBE, GHB,
INCOMPLETE TESTS: BFO, GLI, TTG, IS, ECU, LFT, OHD, TFT,

MCDONALD, EMILY GRACE
56 AMETHYST CRESCENT, MOUNT RICHON. 6112
**Phone:** 0448485899
**Birthdate:** 14/01/1994 **Sex:** F **Medicare Number:** 62202026661
**Your Reference:** 00661503 **Lab Reference:** 25-27748562-HAE-0
**Laboratory:** AUSTRALIAN CLINICAL LABS
**Addressee:** DR MADELINE NAPIER **Referred by:** DR MADELINE ANNE NAPIER
**Copy to:**
DR MADELINE ANNE NAPIER

**Name of Test:** HAEMATOLOGY GENERAL
**Requested:** 14/03/2025 **Collected:** 14/03/2025 **Reported:** 14/03/2025 19:26

CLINICAL NOTES: T1DM, indoor minimal sulignt, iron deficiency ,on

**HAEMATOLOGY** **SPECIMEN: WHOLE BLOOD**

| | Date: | **14/03/25** | 12/09/24 | 16/10/23 | (#Refers to current |
|---|---|---|---|---|---|
| | Coll. Time: | 12:05 | 15:38 | 15:55 | result only) |
| | Lab Number: | #27748562 | 22807074 | 82387809 | |
| **HAEMOGLOBIN** | | 137 | 134 | 131 (115 - 165) | g/L |
| RBC | | 4.57 | 4.61 | 4.43 (3.80 - 5.50) | x10 12/L |
| HCT | | 0.41 | 0.42 | 0.41 (0.35 - 0.47) | |
| MCV | | 91 | 91 | 92 (80 - 99) | fL |
| MCH | | 30.0 | 29.1 | 29.6 (27.0 - 34.0) | pg |
| MCHC | | 331 | 321 | 321 (310 - 360) | g/L |
| RDW | | 12.0 | 12.2 | 12.4 (11.0 - 15.0) | % |
| **WCC** | | 6.9 | 7.0 | 7.0 (4.0 - 11.0) | x10 9/L |
| Neutrophils | | 4.1 | 4.1 | 3.8 (2.0 - 8.0) | x10 9/L |
| Lymphocytes | | 2.0 | 2.2 | 2.5 (1.0 - 4.0) | x10 9/L |
| Monocytes | | 0.6 | 0.6 | 0.5 (< 1.1) | x10 9/L |
| Eosinophils | | 0.1 | < 0.1 | 0.1 (< 0.7) | x10 9/L |
| Basophils | | < 0.1 | 0.0 | < 0.1 (< 0.3) | x10 9/L |
| **PLATELETS** | | 251 | 274 | 265 (150 - 450) | x10 9/L |
| MPV | | 11.2 * | **11.3** * | **11.4** (7.1 - 11.2) | fL |
| ESR | | | 1 | (< 21) | mm/h |

#27748562 : The red cell, white cell and platelet parameters are within normal limits.

TESTS COMPLETED: FBE,
INCOMPLETE TESTS: BFO, GLI, TTG, IS, ECU, LFT, GHB, OHD, TFT,

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56 AMETHYST CRESCENT, MOUNT RICHON. 6112
**Phone:** 0448485899
**Birthdate:** 14/01/1994 **Sex:** F **Medicare Number:** 62202026661
**Your Reference:** 00661503 **Lab Reference:** 25-27748562-CD-0
**Laboratory:** AUSTRALIAN CLINICAL LABS
**Addressee:** DR MADELINE NAPIER **Referred by:** DR MADELINE ANNE NAPIER
**Copy to:**
DR MADELINE ANNE NAPIER

**Name of Test:** COELIAC DISEASE ANTIBODIE
**Requested:** 14/03/2025 **Collected:** 14/03/2025 **Reported:** 17/03/2025 18:42

CLINICAL NOTES: T1DM, indoor minimal sulignt, iron deficiency ,on

**IMMUNOLOGY** **SPECIMEN: SERUM**

**COELIAC DISEASE ANTIBODIES**

| | | | REFERENCE RANGES Negative | Equiv. | Positive |
|---|---|---|---|---|---|
| Deamidated Gliadin IgG | < 1 | EliA U/ml | (< 7) | (7-10) | (> 10) |
| Tissue Transglutaminase IgA | < 1 | EliA U/ml | (< 7) | (7-10) | (> 10) |

INTERPRETATION
Coeliac disease is unlikely provided the patient has not been on a gluten free diet.
RECOMMENDATIONS
If clinical suspicion remains high, tests on a fresh blood sample for HLA DQ2/DQ8 are recommended. Negative DQ2/DQ8 virtually excludes coeliac disease. If DQ2/DQ8 positive, small bowel biopsy may be required.

TESTS COMPLETED: BFO, AVB, GLI, TTG, FBE, IS, ECU, LFT, GHB, OHD, TFT, FT4,

If you have any queries relating to the authenticity of this Medical Certificate please contact Mead Medical.