

## Investigations:

VRETTAS, ROSALIND  
42 PERRY RD, WERRIBEE. 3030  
**Phone:** 0425704497  
**Birthdate:** 20/06/1957 **Sex:** F **Medicare Number:** 40082662612  
**Your Reference:** **Lab Reference:** 23-10440838-HPM-0  
**Laboratory:** 4Cyte Pathology  
**Addressee:** Dr HARUN RASHID **Referred by:** Dr HARUN RASHID

**Name of Test:** Full Blood Count  
**Requested:** 18/05/2023 **Collected:** 18/05/2023 **Reported:** 18/05/2023 18:02

Clinical Notes: tiredness  
**Pathologist:** Dr C. Harris

### Full Blood Count (Whole Blood)

|             |          |          |          |              |                     |
|-------------|----------|----------|----------|--------------|---------------------|
| Coll Date:  | 18/05/23 | 03/05/22 | 02/08/21 |              |                     |
| Coll Time:  | 10:18    | 11:35    | 09:47    |              |                     |
| Lab Number: | 10440838 | 6523749  | 3936192  |              |                     |
| HAEMOGLOBIN | 139      | 136      | 130      | (115-165)    | g/L                 |
| RBC         | 4.6      | 4.5      | 4.2      | (3.8-5.8)    | 10 <sup>12</sup> /L |
| HCT         | 0.42     | 0.42     | 0.40     | (0.32-0.46)  |                     |
| MCV         | 92.1     | 93.4     | 94.8     | (80.0-100.0) | fL                  |
| MCH         | 30       | 30       | 31       | (26-32)      | pg                  |
| MCHC        | 329      | 321      | 325      | (300-360)    | g/L                 |
| RDW         | 13.1     | 12.8     | 13.0     | (< 15.1)     | %                   |
| WCC         | 5.0      | 5.5      | 6.0      | (4.0-11.0)   | 10 <sup>9</sup> /L  |
| Neutrophils | 2.3      | 2.8      | 3.6      | (2.0-8.0)    | 10 <sup>9</sup> /L  |
| Lymphocytes | 2.0      | 2.2      | 1.8      | (1.0-4.0)    | 10 <sup>9</sup> /L  |
| Monocytes   | 0.5      | 0.4      | 0.4      | (0.2-1.0)    | 10 <sup>9</sup> /L  |
| Eosinophils | 0.1      | 0.1      | 0.2      | (< 0.8)      | 10 <sup>9</sup> /L  |
| Basophils   | 0.0      | 0.0      | 0.0      | (< 0.2)      | 10 <sup>9</sup> /L  |
| PLATELETS   | 231      | 233      | 194      | (150-400)    | 10 <sup>9</sup> /L  |
| MPV         | 9.8      | 6.7      | 8.3      | (6.5-11.0)   | fL                  |

FBC parameters normal.

Tests to follow: CHEM, TFT, FATS, VD/PTH, B12/FOL, FE, BSL

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**Your Reference:** **Lab Reference:** 23-10440838-RCM-0  
**Laboratory:** 4Cyte Pathology  
**Addressee:** Dr HARUN RASHID **Referred by:** Dr HARUN RASHID

**Name of Test:** Biochemistry, Serum  
**Requested:** 18/05/2023 **Collected:** 18/05/2023 **Reported:** 19/05/2023 09:25

Clinical Notes: tiredness  
**Pathologist:** Dr P. Stewart

### Biochemistry (Serum)

Coll Date: **18/05/23** 03/05/22 02/08/21  
 Coll Time: **10:18** 11:35 09:47  
 Lab Number: **10440838** 6523749 3936192

|                  |     |      |             |             |        |
|------------------|-----|------|-------------|-------------|--------|
| Sodium           | 141 | 144  | 139         | (135-145)   | mmol/L |
| Potassium        | 4.0 | 4.5  | 4.0         | (3.5-5.5)   | mmol/L |
| Chloride         | 105 | 107  | 105         | (95-110)    | mmol/L |
| Bicarbonate      | 30  | 30   | <b>33</b> H | (22-32)     | mmol/L |
| Anion Gap        | 10  | 12   | <b>5</b> L  | (8-19)      | mmol/L |
| Urea             | 6.6 | 6.9  | 6.4         | (3.2-8.2)   | mmol/L |
| Creatinine       | 76  | 77   | 81          | (45-90)     | umol/L |
| eGFR             | 71  | 70   | 66          | (> 59)      |        |
| Total Protein    | 67  | 74   | 65          | (60-80)     | g/L    |
| Globulin         | 31  | 32   | 28          | (23-39)     | g/L    |
| Albumin          | 36  | 42   | 37          | (34-50)     | g/L    |
| Bilirubin Total  | 12  | 15   | 15          | (< 21)      | umol/L |
| Alk. Phosphatase | 81  | 90   | 89          | (30-110)    | U/L    |
| Gamma GT         | 11  | 11   | 10          | (< 36)      | U/L    |
| ALT              | 15  | 20   | 15          | (< 35)      | U/L    |
| AST              | 19  | 26   | 23          | (< 30)      | U/L    |
| Calcium          |     | 2.35 |             | (2.10-2.60) | mmol/L |
| Adj. Calcium     |     | 2.31 |             | (2.10-2.60) | mmol/L |
| Phosphate        |     | 1.13 |             | (0.75-1.50) | mmol/L |
| Magnesium        |     | 0.86 |             | (0.70-1.10) | mmol/L |

Tests to follow: B12/FOL

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**Birthdate:** 20/06/1957 **Sex:** F **Medicare Number:** 40082662612  
**Your Reference:** **Lab Reference:** 23-10440838-FEM-0  
**Laboratory:** 4Cyte Pathology  
**Addressee:** Dr HARUN RASHID **Referred by:** Dr HARUN RASHID

**Name of Test:** Iron Studies  
**Requested:** 18/05/2023 **Collected:** 18/05/2023 **Reported:** 19/05/2023 09:25

Clinical Notes: tiredness  
**Pathologist:** Dr C. Harris

#### Iron Studies (Serum)

Coll Date: **18/05/23** 03/05/22 02/08/21  
 Coll Time: **10:18** 11:35 09:47  
 Lab Number: **10440838** 6523749 3936192

|                  |     |     |    |           |        |
|------------------|-----|-----|----|-----------|--------|
| Ferritin         | 55  | 66  | 86 | (30-300)  | ug/L   |
| Iron             | 12  | 22  |    | (9-30)    | umol/L |
| Transferrin      | 2.3 | 2.4 |    | (1.6-3.4) | g/L    |
| Transferrin Sat. | 21  | 36  |    | (15-50)   | %      |

Tests to follow: B12/FOL

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**Phone:** 0425704497  
**Birthdate:** 20/06/1957 **Sex:** F **Medicare Number:** 40082662612  
**Your Reference:** **Lab Reference:** 23-10440838-LPM-0  
**Laboratory:** 4Cyte Pathology  
**Addressee:** Dr HARUN RASHID **Referred by:** Dr HARUN RASHID

**Name of Test:** Lipid Studies  
**Requested:** 18/05/2023 **Collected:** 18/05/2023 **Reported:** 19/05/2023 09:25

Clinical Notes: tiredness  
Pathologist: Dr P. Stewart

#### Lipid Studies (Serum)

|              |          |          |          |         |        |
|--------------|----------|----------|----------|---------|--------|
| Coll Date:   | 18/05/23 | 03/05/22 | 02/08/21 |         |        |
| Coll Time:   | 10:18    | 11:35    | 09:47    |         |        |
| Lab Number:  | 10440838 | 6523749  | 3936192  |         |        |
| Status       | Unknown  | Fasting  | Fasting  |         |        |
| Cholesterol  | 5.3      | 5.5      | 5.0      | (< 5.6) | mmol/L |
| Triglyceride | 0.9      | 1.2      | 1.1      | (< 2.1) | mmol/L |
| HDL-c        | 1.6      | 1.7      | 1.6      | (> 1.1) | mmol/L |
| LDL-c        | 3.3 H    | 3.2 H    | 2.9      | (< 3.1) | mmol/L |
| TC/HDL-c     | 3.3      | 3.2      | 3.1      | (< 4.5) |        |
| Non-HDL-c    | 3.7      | 3.8      | 3.4      | (< 4.1) | mmol/L |

National Heart Foundation treatment targets for high risk patients:

|              |                                      |
|--------------|--------------------------------------|
| Cholesterol  | <4.0                                 |
| Triglyceride | <2.0                                 |
| HDL-c        | >1.0                                 |
| LDL-c        | <2.5(<1.8 mmol/L for very high risk) |
| Non-HDL-c    | <3.3(<2.5 mmol/L for very high risk) |

Tests to follow: B12/FOL

VRETTAS, ROSALIND  
42 PERRY RD, WERRIBEE. 3030  
Phone: 0425704497  
Birthdate: 20/06/1957 Sex: F Medicare Number: 40082662612  
Your Reference: Lab Reference: 23-10440838-GLM-0  
Laboratory: 4Cyte Pathology  
Addressee: Dr HARUN RASHID Referred by: Dr HARUN RASHID

Name of Test: Glucose  
Requested: 18/05/2023 Collected: 18/05/2023 Reported: 19/05/2023 09:25

Clinical Notes: tiredness  
Pathologist: Dr P. Stewart

#### Glucose (Serum/Plasma)

|                 |          |          |          |           |        |
|-----------------|----------|----------|----------|-----------|--------|
| Coll Date:      | 18/05/23 | 03/05/22 | 02/08/21 |           |        |
| Coll Time:      | 10:18    | 11:35    | 09:47    |           |        |
| Lab Number:     | 10440838 | 6523749  | 3936192  |           |        |
| Glucose Random  | 4.9      |          |          | (3.0-7.7) | mmol/L |
| Glucose Fasting |          | 4.5      | 4.7      | (3.0-5.4) | mmol/L |

Diabetes unlikely (no documented laboratory history of diabetes). Retest every 3 years if low risk.

Tests to follow: B12/FOL

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Birthdate: 20/06/1957 Sex: F Medicare Number: 40082662612  
Your Reference: Lab Reference: 23-10440838-THM-0

**Laboratory:** 4Cyte Pathology

**Addressee:** Dr HARUN RASHID

**Referred by:** Dr HARUN RASHID

**Name of Test:** Thyroid

**Requested:** 18/05/2023

**Collected:** 18/05/2023

**Reported:** 19/05/2023

09:25

Clinical Notes: tiredness

**Pathologist:** Dr P. Stewart

#### Thyroid (Serum)

Coll Date: 18/05/23 03/05/22 02/08/21

Coll Time: 10:18 11:35 09:47

Lab Number: 10440838 6523749 3936192

TSH 0.66 0.68 0.68 (0.50-4.00) mIU/L

Euthyroid.

Tests to follow: B12/FOL

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**Phone:** 0425704497

**Birthdate:** 20/06/1957 **Sex:** F **Medicare Number:** 40082662612

**Your Reference:** **Lab Reference:** 23-10440838-MBM-0

**Laboratory:** 4Cyte Pathology

**Addressee:** Dr HARUN RASHID

**Referred by:** Dr HARUN RASHID

**Name of Test:** Vitd/pth

**Requested:** 18/05/2023

**Collected:** 18/05/2023

**Reported:** 19/05/2023

09:25

Clinical Notes: tiredness

**Pathologist:** Dr P. Stewart

#### Vitamin D and Metabolic Bone Markers (Serum)

Coll Date: 18/05/23 03/05/22 02/08/21

Coll Time: 10:18 11:35 09:47

Lab Number: 10440838 6523749 3936192

25-OH Vit D 70 95 57 (50-200) nmol/L

Tests to follow: B12/FOL

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**Phone:** 0425704497

**Birthdate:** 20/06/1957 **Sex:** F **Medicare Number:** 40082662612

**Your Reference:** **Lab Reference:** 23-10440838-VBM-0

**Laboratory:** 4Cyte Pathology

**Addressee:** Dr HARUN RASHID

**Referred by:** Dr HARUN RASHID

**Name of Test:** B12/folate Master

**Requested:** 18/05/2023

**Collected:** 18/05/2023

**Reported:** 19/05/2023

10:16

Clinical Notes: tiredness  
Pathologist: Dr C. Harris

**B12/Folate (Serum)**

|             |                 |          |          |
|-------------|-----------------|----------|----------|
| Coll Date:  | <b>18/05/23</b> | 03/05/22 | 02/08/21 |
| Coll Time:  | <b>10:18</b>    | 11:35    | 09:47    |
| Lab Number: | <b>10440838</b> | 6523749  | 3936192  |

|                 |     |      |      |           |        |
|-----------------|-----|------|------|-----------|--------|
| Vitamin B12     | 186 | 237  | 195  | (156-670) | pmol/L |
| Active Vit. B12 | 47  | 58   | 36   | (> 35)    | pmol/L |
| Serum Folate    |     | 25.8 | 22.7 | (> 12.0)  | nmol/L |

Tests to follow: All Tests now completed