

MRS IREDELL, BIANCA

8 FERGUSON CL

HORSHAM 3400

DOB: 18/08/1994 (29 Y)

Ph: 0353811269

UR :

Ref :00102555

Lab No:24-88534370-I

Sex :Female

DR TERRI GUSTAFSON

V77

WIMMERA READ ST MEDICAL

6-12 READ STREET

HORSHAM

3400

HAEMATOLOGY

SPECIMEN: WHOLE BLOOD

Date:	13/03/24	11/01/24	17/03/23	(#Refers to current
Coll. Time:	08:55	15:50	15:33	result only)
Lab Number:	#88534370	87412596	78107289	

HAEMOGLOBIN	145	142	141 (115 - 165)	g/L
RBC	4.81	4.62	4.49 (3.80 - 5.50)	$\times 10^{12}/L$
HCT	0.46	0.43	0.41 (0.35 - 0.47)	
MCV	96	94	91 (80 - 99)	fL
MCH	30.1	30.7	31.4 (27.0 - 34.0)	pg
MCHC	314	327	345 (310 - 360)	g/L
RDW	12.5	11.9	11.7 (11.0 - 15.0)	%
WCC	4.6	6.9	8.1 (4.0 - 11.0)	$\times 10^9/L$
Neutrophils	2.1	3.2	4.5 (2.0 - 8.0)	$\times 10^9/L$
Lymphocytes	2.1	3.2	3.0 (1.0 - 4.0)	$\times 10^9/L$
Monocytes	0.2	0.3	0.5 (< 1.1)	$\times 10^9/L$
Eosinophils	0.1	0.1	< 0.1 (< 0.7)	$\times 10^9/L$
Basophils	< 0.1	< 0.1	< 0.1 (< 0.3)	$\times 10^9/L$
PLATELETS	281	282	247 (150 - 450)	$\times 10^9/L$
ESR		2	(< 21)	mm/h

#88534370 : Normal full blood count.

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GENERAL CHEMISTRY

SPECIMEN: SERUM

Date: 13/03/24 11/01/24 20/07/22
Coll. Time: 08:55 15:50 16:19
Lab Number: 88534370 87412596 66724152

Sodium	141	141	142	(135 - 145)	mmol/L
Potassium	4.3	4.6	4.2	(3.5 - 5.2)	mmol/L
Chloride	108	104	104	(95 - 110)	mmol/L
Bicarbonate	28	27	27	(22 - 32)	mmol/L
Urea	4.7	4.5	3.5	(3.0 - 7.0)	mmol/L
Creatinine	69	79	63	(45 - 90)	umol/L
eGFR	> 90	88	> 90	(> 59) mL/min/1.73m2	
Urate	0.24			(0.15 - 0.45)	mmol/L
Calcium	2.32			(2.10 - 2.60)	mmol/L
Adj. Ca.	2.29			(2.10 - 2.60)	mmol/L
Phosphate	1.06			(0.75 - 1.50)	mmol/L
T. Protein	68	70	75	(60 - 80)	g/L
Albumin	42	41	42	(35 - 50)	g/L
Globulin	26	29	33	(23 - 39)	g/L
ALP	56	74	53	(30 - 110)	U/L
Bilirubin	12	9	7	(3 - 20)	umol/L
GGT	11	15	14	(5 - 35)	U/L
AST	23	13	14	(5 - 30)	U/L
ALT	19	16	15	(5 - 35)	U/L

88534370 Within reference intervals.

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BIOCHEMISTRY

GLUCOSE

Date	Time	Lab#	Collection Type	Specimen	Glucose (mmol/L)
13/03/24	08:55	88534370	Fasting	fl-ox	4.5
11/01/24	15:50	87412596	Not stated	serum	5.6

88534370 Normal fasting glucose.

NOTE: HbA1c has been requested.

Glucose Reference Ranges

Random 3.0 - 6.9 mmol/L

Fasting 3.0 - 5.4 mmol/L

1 Hour post prandial 3.0 - 11.0 mmol/L

2 Hour post prandial 3.0 - 7.7 mmol/L

Specimen Legend:

Fl-ox = Fluoride oxalate, serum = Serum, np = Non-Preserved

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BIOCHEMISTRY

HAEMOGLOBIN A1c

SPECIMEN: WHOLE BLOOD

Date	Coll Time	Req. No.	HbA1c (mmol/mol)	IFCC	DCCT HbA1c (%)
13/03/24	08:55	88534370	32		5.1
17/03/23	15:33	78107289	31		5.0
20/07/22	16:19	66724152	30		4.9

88534370 HbA1c consistent with euglycaemic state.

INTERPRETATION CRITERIA

DIAGNOSIS.

A HbA1c greater than or equal to 48 mmol/mol (6.5 %) is consistent with diabetes. Consider OGTT or repeat HbA1c for confirmation.

HbA1c 6.0 - 6.4% is consistent with prediabetes. Repeat testing annually is recommended. (ADS position statement 2020)

MONITORING.

The Australian Diabetes Society (ADS) recommends individualised HbA1c targets depending on the patient's age, comorbidities and any Hypoglycaemia (ADS position statement 2009).

A general target of less than or equal to 53 mmol/mol (7.0%) is often used.

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.

HbA1c tested on Roche c513 using Gen. 3 assay.

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HORSHAM 3400	Ref :00102555	6-12 READ STREET	
DOB: 18/08/1994 (29 Y)	Lab No:24-8853437	HORSHAM	3400
Ph: 0353811269	Sex :Female		

BIOCHEMISTRY

LIPID STUDIES

SPECIMEN: SERUM

Date:	13/03/24	11/01/24	15/11/21		
Coll. Time:	08:55	15:50	15:05	Desirable Range	
Lab Number:	88534370	87412596	56855366	(Fasting)	
Fasting Status	Fasting	Not Stated	Not Stated		
Total Chol.	3.5	4.4	3.9	(< 5.6)	mmol/L
HDL Chol.	1.6		1.9	(> 1.1)	mmol/L
LDL Chol.	1.7		1.6	(< 3.1)	mmol/L
Non-HDL Chol.	1.9		2.0	(< 4.1)	mmol/L
Triglyceride	0.5	0.3	0.9	(< 2.1)	mmol/L
LDL/HDL Ratio	1.1		0.8		
Chol/HDL Ratio	2.2		2.1		

88534370 Interpret in conjunction with other cardiovascular risk factors or treatment targets.

Recommended targets for high risk patients are

Total cholesterol < 4.0 mmol/L
HDL Cholesterol > 1.0 mmol/L
LDL Cholesterol < 2.5 mmol/L (< 1.8 mmol/L for very high risk)
Non-HDL Cholesterol < 3.3 mmol/L (< 2.5 mmol/L for very high risk)
Fasting triglycerides < 2.0 mmol/L

Lipid ranges and targets are from the AACB Guideline for Harmonised Lipid Reporting (2018)

Target values need to be individualised based on clinical assessment of overall risk.

See the AusCVD Risk calculator at www.cvdcheck.org.au

GLU-R, GHB-R, OHF-R, BFO-R, FBE-R, IS-R, LIP-R, CA-R, ECU-R, LFT-R, PO4-R, SUA-R+++

MRS IREDELL, BIANCA

LIPID STUDIES

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SURGERY USE: NORMAL ☐ NO ACTION ☐ CONTACT PATIENT ☐ SEE PATIENT ☐ FURTHER TESTS ☐

PATHOLOGY REPORT

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BIOCHEMISTRY

IRON STUDIES

SPECIMEN: SERUM

Date:	13/03/24	11/01/24	17/03/23
Coll. Time:	08:55	15:50	15:33
Lab Number:	88534370	87412596	78107289

	13.5	10.8	15.4	(10.0 - 30.0) umol/L
Iron	13.5	10.8	15.4	(10.0 - 30.0) umol/L
Transferrin **	1.66 *	1.81 **	1.62	(2.10 - 3.80) g/L
Saturation	33	24	38	(15 - 45) %
Ferritin	69	83	94	(30 - 200) ug/L

88534370 Low transferrin may be due to acute and chronic inflammatory disease (negative acute phase reactant) or protein losing states.

BIOCHEMISTRY

VITAMIN B12 AND FOLATE

SPECIMEN: SERUM/BLOOD

Date:	13/03/24	11/01/24	20/07/22
Time:	08:55	15:50	16:19
Lab Number:	88534370	87412596	66724152

	319	335	365	pmol/L
Vitamin B12	319	335	365	pmol/L
Active B12	127	105	(> 30)	pmol/L
Folate	> 54.4		23.9	nmol/L

88534370 Normal B12 and folate results.

RANGES

	B12	Serum Folate	Red Cell Folate
Normal	> 180	> 10.0	> 450
Equivocal	150 - 180	5.0 - 10.0	350 - 450
Deficient	< 150	< 5.0	< 350

Vitamin B12 and Folate analyses are performed on the Siemens Centaur/Atellica.

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ENDOCRINOLOGY

THYROID FUNCTION TEST

SPECIMEN: SERUM

Date:	13/03/24	11/01/24	17/03/23
Coll. Time:	08:55	15:50	15:33
Lab Number:	88534370	87412596	8107289

TSH	1.53	1.86	2.11	(0.40 - 4.00)mIU/L
-----	------	------	------	--------------------

88534370 Normal TSH level.

BIOCHEMISTRY

VITAMIN D

SPECIMEN: SERUM

Date	Time	Lab No.	25-hydroxy Vitamin D	
13/03/24	08:55	88534370	68	(50 - 200) nmol/L
11/01/24	15:50	87412596	64	

88534370 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.

GLU-R, GHB-R, OHD-R, BFO-R, FBE-R, IS-R, LIP-R, CA-R, ECU-R, LFT-R, PO4-R, SUA-R+++

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SURGERY USE:

NORMAL ☐

NO ACTION ☐

TFT MASTER PANEL

CONTACT PATIENT ☐

SEE PATIENT ☐

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All Tests Complete

FURTHER TESTS ☐

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HORSHAM 3400	Ref : 00102555	6-12 READ STREET	
DOB: 18/08/1994 (29 Y)	Lab No: 24-8978746	HORSHAM	3400
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MICROBIOLOGY

SPECIMEN: Urine

CHEMISTRY

pH: 6.0 Protein: Nil Glucose: Nil Blood: Nil

MICROSCOPY

Leucocytes	< 10 x 10 ⁶ /L	(< 10)
Erythrocytes	< 10 x 10 ⁶ /L	(< 10)
Epithelial Cells	Nil	

CULTURE

No significant growth.

Automated urinalysis is now performed on Siemens Atellica 1500.

UMC-R, UC-R

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URINE MICRO/CULTURE

All Tests Complete

SURGERY USE:

NORMAL ☐

NO ACTION ☐

CONTACT PATIENT ☐

SEE PATIENT ☐

FURTHER TESTS ☐

PATHOLOGY REPORT

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