

THOMSON, ZOEY
 296 RAILWAY PARADE, BLAXLAND. 2774
 Phone: 0432868177
 Birthdate: 15/06/1992 Sex: F Medicare Number: 26732478171
 Your Reference: 00534371 Lab Reference: 23-83035293-QUA-0
 Laboratory: AUSTRALIAN CLINICAL LABS
 Addressee: DR MICHAEL FOSTER Referred by: DR MICHAEL FOSTER
 Name of Test: QUANTITATIVE HCG
 Requested: 20/09/2023 Collected: 22/09/2023 Reported: 22/09/2023
 15:26

CLINICAL NOTES: Ongoing vomiting

ENDOCRINOLOGY

HUMAN CHORIONIC GONADOTROPIN (HCG)			SPECIMEN: SERUM/PLASMA	
Date	Time	Lab No.	HCG Units	Ref. Range
22/09/23	08:45	83035293	< 4 IU/L	See below
18/01/23	08:10	75114606	< 4	
01/10/20	09:35	44506957	< 4	

EXPECTED RESULTS RANGE AND INTERPRETATION:

HCG (IU/L)	Interpretation	Notes
<5	Negative	Early pregnancy of less than 1 week may give a negative response and retesting in 2 - 3 days time may be appropriate if clinically indicated.
5 - 25	Equivocal	Suggest repeat test in 2 -3 days.
>25	Positive	Consistent with pregnancy.

Gestational Age	Expected HCG (IU/L)
2-3 weeks	5-50
3-4 weeks	50-500
4-5 weeks	100-5000
5-6 weeks	500-10000
6-7 weeks	1000-50000
7-8 weeks	10000-100000
8-10 weeks	15000-200000
10-14 weeks	10000-100000

HCG testing is performed on Siemens Atellica IM.

NOTE: There is a large inter-individual variation in maternal serum concentrations of HCG in early pregnancy. These values are for guidance only. Gestational ages can be calculated from the date of the last menstrual cycle or be determined by sonography.

ALSO PLEASE NOTE THIS ASSAY HAS NOT BEEN VALIDATED FOR USE OUTSIDE THE ASSESSMENT OF PREGNANCY STATUS.

GHB-W GLS-W TSH-W QUA-C FBE-W IS-W CPM-W ECU-W LFT-W

THOMSON, ZOEY
236 RAILWAY PARADE, BLAXLAND, 2774
Phone: 0432868177
Birthdate: 15/06/1992 Sex: F Medicare Number: 26732478171
Your Reference: 00534371 Lab Reference: 23-83035293-GLS-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR MICHAEL FOSTER Referred by: DR MICHAEL FOSTER
Name of Test: GLUCOSE
Requested: 20/09/2023 Collected: 22/09/2023 Reported: 22/09/2023
15:27

CLINICAL NOTES: Ongoing vomiting

BIOCHEMISTRY

GLUCOSE

Date	Time	Lab#	Collection Type	Specimen	Glucose (mmol/L)
24/09/21	08:30	55812041	Fasting	fl-ox	5.3
22/09/23	08:45	83035293	Not stated	serum	5.1

83035293 Normal random 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

GHB-W GLS-C TSH-W QUA-C FBE-W IS-W CPM-W ECU-W LFT-W

This request has other tests in progress at the time of reporting

THOMSON, ZOEY
 296 RAILWAY PARADE, BLAXLAND. 2774
 Phone: 0432868177
 Birthdate: 15/06/1992 Sex: F Medicare Number: 26732478171
 Your Reference: 00534371 Lab Reference: 23-83035293-MBI-0
 Laboratory: AUSTRALIAN CLINICAL LABS
 Addressee: DR MICHAEL FOSTER Referred by: DR MICHAEL FOSTER
 Name of Test: MULTIPLE BIOCHEM ANALYSIS
 Requested: 20/09/2023 Collected: 22/09/2023 Reported: 22/09/2023
 15:33

CLINICAL NOTES: Ongoing vomiting

GENERAL CHEMISTRY

SPECIMEN: SERUM

Date:	24/09/21	18/01/23	22/09/23	
Time:	08:00	08:10	08:45	
Request:	55812041	75114606	83035293	
Sodium	140	140	138	(135 - 145) mmol/L
Potassium	4.0	4.3	4.2	(3.5 - 5.2) mmol/L
Chloride	111	111	106	(95 - 110) mmol/L
Bicarbonate	23	21	25	(22 - 32) mmol/L
Urea	3.4	3.1	3.7	(3.0 - 7.0) mmol/L
Creatinine	58	70	71	(45 - 90) umol/L
eGFR	> 90	> 90	> 90	(> 59) mL/min/1.73m2
Calcium	2.39	2.30	2.30	(2.10 - 2.60) mmol/L
Adj.Ca	2.46	2.36	2.36	(2.10 - 2.60) mmol/L
Magnesium	0.74	0.80	0.80	(0.70 - 1.10) mmol/L
Phosphate	1.67	1.38	1.38	(0.75 - 1.50) mmol/L
T.Protein	62	60	64	(60 - 82) g/L
Albumin	33	35	36	(35 - 50) g/L
Globulin	29	25	28	(23 - 39) g/L
ALP	13	32	32	(30 - 110) U/L
Bilirubin	12	8	14	(< 25) umol/L
GGT	16	13	22	(< 51) U/L
AST	13	12	12	(< 41) U/L
ALT		12	20	(< 41) U/L

83035293 Within reference intervals.

Please note: from 18/09/2023 new reference intervals apply for ALP.
 These are sourced from the AACB Harmonised Reference Intervals recommendations.

GHB-W GLS-R TSH-W QUA-R FBE-W IS-C CPM-C ECU-C LFT-C

This request has other tests in progress at the time of reporting

THOMSON, ZOEY
296 RAILWAY PARADE, BLAXLAND. 2774
Phone: 0432868177
Birthdate: 15/06/1992 Sex: F Medicare Number: 26732478171
Your Reference: 00534371 Lab Reference: 23-83035293-ISM-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR MICHAEL FOSTER Referred by: DR MICHAEL FOSTER
Name of Test: IRON MASTER
Requested: 20/09/2023 Collected: 22/09/2023 Reported: 22/09/2023
15:33

CLINICAL NOTES: Ongoing vomiting

BIOCHEMISTRY

IRON STUDIES

SPECIMEN: SERUM

Date:	24/09/21	18/01/23	22/09/23	
Lab Number:	55812041	75114606	83035293	
Iron	12.3	9.9	12.5	(10.0 - 30.0) umol/L
Transferrin	2.12	2.13	2.22	(2.10 - 3.80) g/L
Saturation	23	19	23	(15 - 45) %
Ferritin	13	16	24	(30 - 200) ug/L

83035293 Iron studies are consistent with iron deficiency.

GHB-W GLS-R TSH-C QOA-R FBE-W IS-C CPM-C ECU-C LFT-C

This request has other tests in progress at the time of reporting

THOMSON, ZOEY
296 RAILWAY PARADE, BLAXLAND, 2774
Phone: 0432868177
Birthdate: 15/06/1992 Sex: F Medicare Number: 26732478171
Your Reference: 00534371 Lab Reference: 23-83035293-TSH-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR MICHAEL FOSTER Referred by: DR MICHAEL FOSTER
Name of Test: THYROID STIMULATING HORM
Requested: 20/09/2023 Collected: 22/09/2023 Reported: 22/09/2023
15:33

CLINICAL NOTES: Ongoing vomiting

ENDOCRINOLOGY

THYROID FUNCTION TEST		SPECIMEN: SERUM	
Date:	24/09/21	18/01/23	22/09/23
Coll. Time:	08:00	08:10	08:45
Lab Number:	55812041	75114606	83035293
Free T4	16.4		(9.0 - 25.0) pmol/L
TSH	3.64	2.82	1.56 (0.40 - 4.00) mIU/L

83035293 Normal TSH level.

GHB-W GLS-R TSH-C QUA-R FBE-W IS-C CPM-C ECU-C LET-C

This request has other tests in progress at the time of reporting

THOMSON, ZOEY
296 RAILWAY PARADE, BLAXLAND. 2774
Phone: 0432868177
Birthdate: 15/06/1992 Sex: F Medicare Number: 26732478171
Your Reference: 00534371 Lab Reference: 23-83035293-GHB-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR MICHAEL FOSTER Referred by: DR MICHAEL FOSTER
Name of Test: GLYCATED HB
Requested: 20/09/2023 Collected: 22/09/2023 Reported: 22/09/2023
22:38

CLINICAL NOTES: Ongoing vomiting

BIOCHEMISTRY

HAEMOGLOBIN A1c

SPECIMEN: WHOLE BLOOD

Date	Coll Time	Req. No.	HbA1c (mmol/mol)	IFCC	DCCT
24/09/21	08:00	55812041	30		4.9
22/09/23	08:45	83035293	33		5.2

83035293 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.

GHB-C GLS-R TSH-R QUA-R FBE-w IS-R CPM-R ECU-R LFT-R

This request has other tests in progress at the time of reporting

THOMSON, ZOXY BLAXLAND. 2774
296 RAILWAY PARADE,
Phone: 0432868177
Birthdate: 15/06/1992 Sex: F Medicare Number: 26732478171
Your Reference: 00534371 Lab Reference: 23-83035293-HAE-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR MICHAEL FOSTER Referred by: DR MICHAEL FOSTER

Name of Test: HAEMATOLOGY GENERAL
Requested: 20/09/2023 Collected: 22/09/2023 Reported: 22/09/2023
22:50

CLINICAL NOTES: Ongoing vomiting

HAEMATOLOGY

SPECIMEN: WHOLE BLOOD

Date:	24/09/21	18/01/23	22/09/23	(#Refers to current
Coll. Time:	08:00	08:10	08:45	result only)
Lab Number:	58812041	75114606	#83035293	
HAEMOGLOBIN	129	131	141	(115 - 165) g/L
RBC	4.23	4.32	4.64	(3.80 - 5.50) x10 ¹² /L
HCT	0.39	0.40	0.42	(0.35 - 0.47)
MCV	92	93	91	(80 - 99) fL
MCH	30.5	30.3	30.4	(27.0 - 34.0) pg
MCHC	331	328	336	(310 - 360) g/L
RDW	12.9	13.3	13.8	(11.0 - 15.0) %
WCC	5.4	8.7	9.6	(4.0 - 11.0) x10 ⁹ /L
Neutrophils	2.1	4.3	4.1	(2.0 - 8.0) x10 ⁹ /L
Lymphocytes	2.6	3.4	4.2	(1.0 - 4.0) x10 ⁹ /L
Monocytes	0.5	0.6	1.0	(< 1.1) x10 ⁹ /L
Eosinophils	< 0.1	0.2	0.2	(< 0.7) x10 ⁹ /L
Basophils	< 0.1	< 0.1	< 0.1	(< 0.3) x10 ⁹ /L
PLATELETS	226	328	391	(150 - 450) x10 ⁹ /L
MPV	11.2	10.4	10.2	fL
ESR		2		(< 21) mm/h

#83035293 : There is a mild lymphocytosis. ?Reactive. Suggest repeat FBE in 4 - 6 weeks. The red cells and platelets appear normal.

GHB-R GLS-R TSH-R QUA-R FBE-C IS-R CPM-R ECU-R LFT-R

All tests on this request have now been completed