

Unit 4B
Harbourside Science Park
Fairmouth
FM4 2QZ**Requesting Client**
Demo Health Clinic Ltd**Patient Details**Name: **SAMPLE Alex**
DOB: **01/01/1980**
Sex: **M**
Patient No: **000123****Specimen Details**Specimen No: **9000012345**
Collected: **05/10/26 09H15M**
Received: **06/10/26 11H30M**
Reported on: **07/10/26 14H05M**

Test	Result	Units	Reference Range
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Laboratory InformationSample Specimen Type: **Venous Blood****Biochemistry**

Hb A1c (mmol/mol)	38	mMol/Mol	<42
Comments	HbA1c interpretation (mmol/mol): <42: Non-diabetic range 42 - 47: Increased risk of diabetes >=48: Consistent with diabetes		

Uric Acid	362	umol/L	200 - 430
C Reactive Protein (high sensitivity)	H 3.40	mg/L	<1.00

Lipid Profile

Cholesterol	H 5.62	mmol/L	<5.00
Triglycerides	1.38	mmol/L	<2.30
Comments	Fasting: <1.8 mmol/L Non-fasting range shown as primary range.		
HDL Cholesterol	1.12	mmol/L	0.90 - 1.70
LDL Cholesterol	H 3.87	mmol/L	<3.00
Non HDL Cholesterol	H 4.50	mmol/L	<4.00
HDL % of Total *	20	%	>20
Apolipoprotein A1	1.31	g/L	>1.25
Apolipoprotein B	H 1.08	g/L	<1.00
Apolipoprotein B1/A1 Ratio *	H 0.8	ratio	<0.7
Lipoprotein (a)	24.00	nmol/L	<75.00

Thyroid Profile

Thyroid Stim. Hormone	2.140	mIU/L	0.270 - 4.200
Free T3 (FT3)	4.6	pmol/L	3.1 - 6.8
Free Thyroxine (FT4)	15.2	pmol/L	12.0 - 22.0
Total Thyroxine (T4)	96	nmol/L	59 - 154
Thyroid Peroxidase Antibodies	8.2	kIU/L	0.0 - 34.0
Thyroglobulin Antibodies	14.6	kIU/L	0.0 - 115.0

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Active B12	L 31.2	pmol/L	>37.5
Comments	Reference range updated 01 Mar 2025.		
Folate (serum) **	9.8	nmol/L	3.9 - 26.8
Comments	A Folate result between 7-13 nmol/L may indicate possible borderline Folate status.		
25 OH Vitamin D	L 41	nmol/L	50 - 250
Comments	<25 nmol/L: deficient. 25-50 nmol/L: may be inadequate in some people. >50 nmol/L: sufficient in most individuals. >250 nmol/L: potential for toxicity.		
Iron Status Profile			
Iron	17.4	umol/L	5.8 - 34.5
UIBC	38.0	umol/L	24.2 - 70.1
TIBC	55.4	umol/L	45.0 - 81.0
Transferrin Saturation	31	%	20 - 50
Ferritin	142	ug/L	30 - 400
Liver Function Test			
Total Protein	72	g/L	60 - 80
Albumin	46	g/L	35 - 50
Globulin	26	g/L	19 - 35
Alanine Transferase	H 52	U/L	<45
Alkaline Phosphatase	78	U/L	30 - 130
Aspartate Transferase **	34	U/L	<40
Gamma GT	H 61	U/L	<55
Bilirubin	14	umol/L	<22
Kidney Function			
Urea	5.1	mmol/L	2.5 - 7.8
Creatinine	88	umol/L	60 - 120
estimated GFR	94	ml/min/1.73m2	>90

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Sex Hormones			
Luteinising Hormone	4.2	IU/L	1.7 - 8.6
Comments	Male - LH (IU/L): 1.7 - 8.6 Female ranges vary by cycle phase.		
Follicle Stim. Hormone	5.1	IU/L	1.5 - 12.4
Comments	Male - FSH (IU/L): 1.5 - 12.4 Female ranges vary by cycle phase.		
17-Beta Oestradiol	118.0	pmol/L	41.4 - 159.0
Comments	Male - Oestradiol (pmol/L): 41.4 - 159 Female ranges vary by cycle phase.		
Sex Hormone Binding Glob	32.6	nmol/L	18.3 - 54.1
Testosterone	14.80	nmol/L	8.64 - 29.00
Free Androgen Index	45.4	%	35 - 92
Free Testosterone	0.290	nmol/L	0.198 - 0.619
Haematology			
Haemoglobin (g/L)	148	g/L	130 - 180
Red Cell Count	4.95	10 ¹² /L	4.40 - 6.50
Hct	0.441	L/L	0.400 - 0.520
MCV	89.1	fL	80.0 - 100.0
MCH	29.9	pg	27.0 - 32.0
MCHC (g/L)	336	g/L	320 - 360
RDW	13.1	%	11.5 - 15.0
Platelets	246	10 ⁹ /L	150 - 450
MPV	10.2	fL	7.0 - 13.0

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Test	Result	Units	Reference Range
White Cell Differential			
White Cell Count	6.8	10 ⁹ /L	3.0 - 11.0
Neutrophils	3.9	10 ⁹ /L	2.0 - 7.5
Lymphocytes	2.10	10 ⁹ /L	1.50 - 4.50
Monocytes	0.52	10 ⁹ /L	0.20 - 0.80
Eosinophils	H 0.46	10 ⁹ /L	0.00 - 0.40
Basophils	0.050	10 ⁹ /L	0.000 - 0.100
Neutrophils %	57.4	%	
Lymphocytes %	30.9	%	
Monocytes %	7.6	%	
Eosinophils %	6.8	%	
Basophils %	0.7	%	

----- End of report -----

Key for report symbols:

#Referred test *Not an accredited test **Accredited for venous samples only

Northvale Diagnostics is a fictional laboratory created for demonstration purposes.