Northgate Sample Diagnostics

12 Example Road, Sampletown | Invented laboratory for demonstration

LABORATORY REPORT

Patient:	Alex Sample	**Sex / Age:**	M / 46
Patient ID:	DEMO-000123	**Collected:**	12/09/2026 08:05
Requested by:	Dr. J. Example	**Reported:**	12/09/2026 16:40

Complete Blood Count

Test	Result	Unit	Reference range	Flag
Haemoglobin	**13.1**	g/dL	13.5 - 17.5	L
Haematocrit	**39.8**	%	40 - 52	L
Red Blood Cells	4.52	x10^12/L	4.5 - 5.9	
MCV	88	fL	80 - 100	
White Blood Cells	6.4	x10^9/L	4.0 - 11.0	
Neutrophils	3.6	x10^9/L	2.0 - 7.5	
Lymphocytes	2.1	x10^9/L	1.0 - 4.0	
Platelets	238	x10^9/L	150 - 400	

Lipid Profile

Test	Result	Unit	Reference range	Flag
Total Cholesterol	**6.2**	mmol/L	< 5.2	H
LDL Cholesterol	**4.1**	mmol/L	< 3.4	H
HDL Cholesterol	1.05	mmol/L	> 1.0	
Triglycerides	**2.3**	mmol/L	< 1.7	H

SAMPLE / ÖRNEK

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Diabetes and Kidney

Test	Result	Unit	Reference range	Flag
Fasting Glucose	**5.9**	mmol/L	3.9 - 5.6	H
HbA1c	**5.8**	%	4.0 - 5.6	H
Creatinine	88	umol/L	62 - 106	
eGFR	91	mL/min/1.73m2	> 60	
Urea	5.1	mmol/L	2.5 - 7.8	

Liver Function

Test	Result	Unit	Reference range	Flag
ALT	**52**	U/L	< 41	H
AST	34	U/L	< 40	
GGT	45	U/L	< 60	
Total Bilirubin	12	umol/L	< 21	

Vitamins

Test	Result	Unit	Reference range	Flag
Vitamin D (25-OH)	**42**	nmol/L	75 - 250	L
Vitamin B12	310	pmol/L	145 - 569	

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