

Full blood count, renal and lipid panels

PATIENT	DATE OF BIRTH	RECORD NUMBER	REQUESTED BY
Maya Chen	14 March 1988	MRN 0000-4471	Dr Elena Marsh
COLLECTED	RECEIVED	REPORTED	SPECIMEN
6 May 2026, 08:41	6 May 2026, 11:05	6 May 2026, 16:20	Venous blood, EDTA

OUTSIDE THE REFERENCE RANGE		
Haemoglobin	11.4 g/dL	Below the range for this patient's sex; 12.8 on 4 November.
Ferritin	9 µg/L	Low. Consistent with the haemoglobin above.
LDL cholesterol	4.4 mmol/L	Above target; 4.1 at the last measurement.

ANALYTE	RESULT	UNIT	REFERENCE	FLAG
FULL BLOOD COUNT				
Haemoglobin	11.4	g/dL	12.0 – 15.5	L
White cell count	6.2	10^9/L	4.0 – 11.0	
Platelets	288	10^9/L	150 – 400	
Mean cell volume	79	fL	80 – 100	
IRON STUDIES				
Ferritin	9	µg/L	15 – 200	L
Serum iron	11	µmol/L	10 – 30	
RENAL				
Sodium	139	mmol/L	133 – 146	
Potassium	4.1	mmol/L	3.5 – 5.3	
Creatinine	68	µmol/L	45 – 84	
Estimated GFR	90	mL/min/1.73m²	> 60	
LIPIDS, FASTING				
Total cholesterol	6.1	mmol/L	< 5.0	
LDL cholesterol	4.4	mmol/L	< 3.0	H
HDL cholesterol	1.5	mmol/L	> 1.2	
Triglycerides	1.2	mmol/L	< 1.7	

COMMENT	The picture is a microcytic anaemia with low ferritin, which in the absence of an obvious source is usually investigated rather than treated alone. Serum iron sits at the bottom of its range and the mean cell volume is one below. Lipids are unchanged in pattern from November and slightly higher in value. Fasting status was recorded as confirmed by the patient at collection. Authorised by Dr Alex Rivera, consultant chemical pathologist · 6 May 2026, 16:20 · Results relate only to the specimen identified above.
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