

GOLD BLOOD TEST - EXAMPLE REPORT

Surname	EXAMPLE	Collected on	01/01/2024 at 10:00
Forename	REPORT	Received on	01/01/2024 at 11:00
Title	Mr	Lab.No	000000
D.O.B	01/01/1980	Sex	M
		Specimen	Serum

BIOCHEMISTRY

Sodium	138	mmol/L	(-*)	(133 - 146)
Potassium	5.1	mmol/L	(--*)	(3.5 - 5.3)
Chloride	101	mmol/L	(-*)	(95 - 108)
Bicarbonate	27	mmol/L	(--*)	(22 - 29)
Urea	7.7	mmol/L	(--*)	(2.5 - 7.8)
Creatinine (enzymatic)	105	umol/L	(--*)	(58 - 110)
Estimated GFR	66	mL/min		

Calculated using MDRD eGFR (IDMS aligned)
 eGFR >60 mL/min/1.73m² can be regarded as normal in the absence of other evidence of renal disease.

Please note, NICE recommendation to multiply reported result by a factor of 1.212 in individuals of AfroCaribbean origin has been withdrawn. For further details, please see Chronic kidney disease: assessment and management NICE guideline Published: 25 August 2021 www.nice.org.uk/guidance/ng203

Uric Acid	338	umol/L	(-*)	(200 - 430)
Calcium	2.29	mmol/L	(*--)	(2.20 - 2.60)
Adjusted calcium	2.30	mmol/L	(*--)	(2.20 - 2.60)
Phosphate	1.1	mmol/L	(-*)	(0.8 - 1.5)
Albumin	44	g/L	(-*)	(35 - 50)
Total Protein	72	g/L	(-*)	(60 - 80)
Globulin	28	g/L	(-*)	(20 - 34)
Total Bilirubin	11.1	umol/L	(-*)	(0.0 - 20.9)
Alanine aminotransferase (ALT)	24	U/L	(-*)	(0 - 50)
Aspartate aminotransferase,AST	26	U/L	(*--)	(17 - 59)
y-Glutamyl transferase (GGT)	16	U/L	(*--)	(15 - 73)
Alkaline phosphatase (ALP)	96	U/L	(-*)	(30 - 130)
Cholesterol	4.75	mmol/L	(--*)	(1.29 - 5.10)

Depending on clinical factors, therapeutic target ranges for lipids should be: total cholesterol <5 mmol/L and LDL <3 mmol/L.

HDL-Cholesterol	1.18	mmol/L	(*--)	(1.03 - 1.55)
LDL-Cholesterol	3.11	mmol/L		
HDL:LDL ratio	0.38			
Triglyceride	1.01	mmol/L	(-*)	(0.11 - 1.69)
Glucose	5.3	mmol/L	(--*)	(4.1 - 5.9)
Iron	12.5	umol/L	(*--)	(8.8 - 32.4)

NICE guideline NG12, Dec 2021 recommends the following age-related (years) PSA thresholds:

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Haematology & Biochemistry

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Below 40 Use clinical judgement
 40-49 More than 2.5
 50-59 More than 3.5
 60-69 More than 4.5
 70-79 More than 6.5
 Above 79 Use clinical judgement

HAEMATOLOGY

Haemoglobin	158	g/L	(--*)	(130 - 170)
Red blood cells	6.57	x 10 ¹² /L	(---)*	(4.5 - 5.5)
Haematocrit	0.477	L/L	(--*)	(0.40 - 0.50)
MCV	85.6	fL	(*--)	(83 - 101)(27
MCH	28.4	pg	(*--)	- 32)
MCHC	331	g/L	(-*)	(315 - 345)
RDW	12.4	%	(*--)	(10.9 - 15.7)
White blood cells	3.0	x 10 ⁹ /L	*---	(4.0 - 10.0)
Neutrophils	2.81 (56.20%)	x 10 ⁹ /L		(2.0 - 7.0)
Lymphocytes	1.40 (28.00%)	x 10 ⁹ /L		(1.0 - 3.0)
Monocytes	0.63 (12.60%)	x 10 ⁹ /L		(0.2 - 1.0)
Eosinophils	0.13 (2.60%)	x 10 ⁹ /L		(0.02 - 0.50)
Basophils	0.03 (0.60%)	x 10 ⁹ /L		(0.02 - 0.10)
NRBC absolute	0.00	x 10 ⁹ /L		
NRBC percentage	0.00	%		
Platelets	278	x 10 ⁹ /L	(-*)	(150 - 410)
ESR	2	mm/hour	(*--)	(0 - 10)
Haemoglobin A1c (DCCT aligned) equivalent to	9.0	%		
Haemoglobin A1c (IFCC)	74	mmol/mol		

The NICE-recommended target range for HbA1c in patients with diabetes is 48-59 mmol/mol (equivalent to 6.5-7.5%). Specific values for individual patients should be determined on the basis of clinical factors.

THYROID FUNCTION TEST(S)

Free Thyroxine (FT4)	12.2	pmol/L	(*--)	(10.9 - 25.3)
Thyroid Stimulating H. (TSH)	1.99	mIU/L	(-*)	(0.40 - 4.05)

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