

Blood tests

The following table shows a typical set of 'bloods' (i.e. blood tests), that are done regularly on renal patients' blood. They are also sometimes called 'figures'. The exact range in your hospital may be slightly different.

Test	Nickname or symbol	Measures	Normal range	Desired range in renal failure	Units
Haematology					
Haemoglobin	Hb	Red cells (carry oxygen)	11–17	11–12	g/dL
White count	WC	White cells (fight Infection)	4–11	Normal	x10 ⁹ /L
Platelets	P	Platelets (clot blood)	150–400	Normal	X10 ⁹ /L
Ferritin	Ferr	Iron in blood	15–350	More than 200	mcg/L
C-Reactive protein	CRP	Infection in body	1–5	Normal	mg/dl
Biochemistry					
Sodium	Na	Mineral/water balance	135–143	Normal	mmol/L
Potassium	K	Mineral/heart health	3.5–5.0	Less than 6	mmol/L
Urea	U	Toxin clearance	2.6–6.6	Less than 25	mmol/L
Creatinine	Creat	Toxin clearance	70–120	Less than 600	mcmol/L
Bicarbonate	HCO ₃	Acid balance	22–29	26–29	mmol/L
Glucose	Gluc	Blood sugar	3.0–5.6	Normal	mmol/L
Cholesterol		Heart/brain health	3–6	Less than 5	mmol/L
Bone biochemistry					
Calcium	Ca	Bone health	2.1–2.6	2.4–2.6	mmol/L
Phosphate	PO ₄	Bone health	0.7–1.4	Less than 1.8	mmol/L
Alkaline phosphatase	Alk Phos	Bone health	30–120	Normal	iu/L
Parathyroid hormone	PTH	Bone health (best marker)	1.1–4.2	Less than 10	pmol/L
Liver function tests LFTs					
Albumin	Alb	Nutrition	34–48	Normal	g/L
Bilirubin	Billi	Liver function	4–25	Normal	mmol/L
Alanine transaminase	ALT	Liver function	5–50	Normal	iu/L
Gamma glutamyl transferase	Gamma GT	Liver function	5–70	Normal	iu/L

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