

Irish Reference Interval Harmonisation (IRIH)

Comparison of regionally agreed reference intervals

(all Serum)

Lower/Upper Limits

Analyte	Units	IRIH Proposal (Ireland)	Pathology Harmony (UK)	SIQAG (NZ)	ARQAG (NZ)	AACB Proposal (Australia+?NZ)	NORIP (Scandinavia)
Sodium	mmol/L	135 - 145	133 - 146	135 - 145	135 - 145	135 - 145	137 - 145
Potassium	mmol/L	3.5 - 5.3 (ser)	3.5 - 5.3	3.5 - 5.2 (S&P)	3.5 - 5.2	3.5 - 5.2	3.6 - 4.6
Urea	mmol/L	2.5 - 7.8	2.5 - 7.8	3.2 - 7.7	3.2 - 7.7		2.7 - 7.8
Chloride	mmol/L	95 - 108	95 - 108	95 - 110	95 - 110	95 - 110	
Bicarbonate	mmol/L	22 - 29	22 - 29		22 - 31	22 - 32	
Phosphate	mmol/L	0.8 - 1.5	0.8 - 1.5	0.8 - 1.5	0.7 - 1.5	0.75 - 1.50	0.85 - 1.49 (F), 0.79-1.63 (M<50), 0.73-1.33 (M>50)
Magnesium	mmol/L	0.7 - 1.0	0.7 - 1.0	0.8 - 1.5	0.7 - 1.0	0.7 - 1.1	0.72 - 0.95
Albumin	g/L	35 - 50 **	35 - 50	35 - 50 (BCG)	38 - 52		34 - 48 (BCG;*)
Total Protein		60 - 80 or 63 - 83	60 - 80	64 - 83	66 - 84	60 - 80	62 - 78
Osmolality	mmol/L*	275 - 295	275 - 295				