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Requested 30/07/2024

Clinical Notes Not Provided

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HaematInics

Test Name	Result	Units	Reference Interval
Iron	20	umol/L	5 - 30
Transferrin	2.4	g/L	1.9 - 3.1
TIBC	60	umol/L	47 - 77
Saturation	33	%	20 - 45
Ferritin	69	ug/L	30 - 300
Vitamin B12	367	pmol/L	> 150
Active B12	> 128	pmol/L	> 35

Comments

Normal Iron Status.

All patients with low or equivocal vitamin B12 results (400 pmol/L or less) will be routinely tested for holo-transcobalamin (active B12) to clarify the B12 status.

Both tests are now Medicare rebateable. Vitamin B12 concentrations over 400 pmol/L are generally considered replete.

Active B12 (holotranscobalamin) is the biologically active fraction of total serum B12, and should be a superior indicator of B12 status. **Holotranscobalamin** level indicates Vitamin B12 deficiency unlikely. Up to 15% of patients will have a deficiency of carrier protein (haptocorrin) that does not appear to result in a clinically recognisable Vitamin B12 deficiency despite low total Vitamin B12 levels.

EA

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