

Common Causes of Anaemia and the patterns you might expect to see on a blood chemistry

Marker	Iron deficiency	Vitamin A deficiency	Copper deficiency	Zinc deficiency	B6 deficiency	B9/Folate deficiency	B12 deficiency	Haemolytic deficiency	Anaemia of Inflammation	Anaemia due to blood loss
RBC	<	<	<	<	<	<	<	<	<	<
Hb	<	<	<	<	<	<	<	<	<	<
Hct	<	<	<	<	<	<	<	<	<	<
MCV	<	<	<	<	<	>	>	N/<	N/<	N
MCH	<	<	<	<	<	>	>	N/<	N/<	N
MCHC	<	<	<	<	<	>	>	N/<	N/<	N
RDW	>	>	>	>	<	>	>	N	N	N
Reticulocyte Count	<	<	<	<	<	<	<	>	N/<	>
Serum Iron	<	>	<	>	>	N	N	>	N/<	<
Ferritin	<	>	<	>	>	N	N	>	N/>	<
TIBC	>	<	>	<	<	N	N	<		>

< = Low

N = Normal

> = High