Serum Total Iron Binding Capacity Assay kit

Serum total iron binding capacity refers to the ability of serum transferrin to bind iron, and its content is closely related to the occurrence of iron deficiency anemia, acute hepatitis and other diseases.

Fe2+ reacts with phenoxazine to form a purple-red compound with a characteristic absorption peak at 562nm. Under alkaline conditions, serum transferrin can bind to Fe3+, and the remaining unbound Fe3+ can be reduced to Fe2+. At this time, the absorbance A1 is positively correlated with the amount of unbound Fe3+; after acidification, the Fe3+ bound to transferrin is released, and further It is reduced to Fe2+. At this time, the absorbance A2 is positively correlated with the total Fe3+ quantity. A2 minus A1 is proportional to the TIBC concentration.

Catalog No.	250286
Size	50 Assays / 100 Assays
Product Category	Enzymatic / Metabolic Assay
Detection Method	Visible spectrophotometry
Storage/Stability	2 ~ 8°C/1 year
Shipping	Gel Packs