

Total iron binding capacity Assay Kit

Total iron binding capacity assay kit (Colorimetric method)

CATALOG #
AAA172699

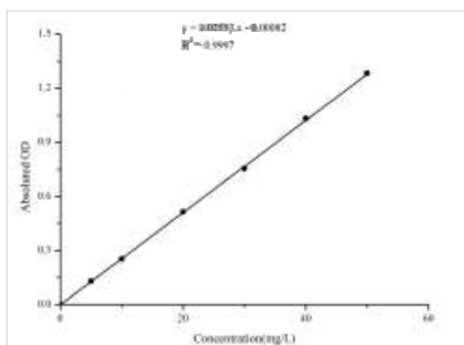
PRODUCT SYNONYMS

Total iron binding capacity; Total iron binding capacity assay kit (Colorimetric method); Total iron binding capacity assay kit

PRODUCT SPECIFICATIONS

Specificity	50 Assays(48 samples)
Samples	Serum samples
Detection Range	0.03-50 mg/L
Sensitivity	0.03 mg/L
Intra-assay Precision	Three human serum samples were assayed in replicates of 20 to determine precision within an assay (CV = Coefficient of Variation).
Inter-assay Precision	Three human serum samples were assayed 20 times in duplicate by three operators to determine precision between assays.
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Total iron binding capacity assay kit

Principle of the Assay: The excess iron is added to the serum to bind all the ferritin in the serum, and the excess iron is adsorbed by adding the iron adsorbent. The iron bind with the ferritin is separated from the protein by the action of acid solution and reductant. Fe^{3+} in serum is reduced to Fe^{2+} , Fe^{2+} binds with bipyridine to form pink complex. In a certain range, the amount of TIBC is positively correlated with the depth of color. The iron content measured is, minus serum iron value, which is called unsaturated iron binding force. Total iron binding capacity minus serum iron value is unsaturated iron binding capacity (UIBC).

Intended Uses: This kit can be used to measure the total iron binding capacity (TIBC) content in serum samples.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

