

serum iron Assay Kit

serum iron assay kit (Colorimetric method)

CATALOG #
AAA22079

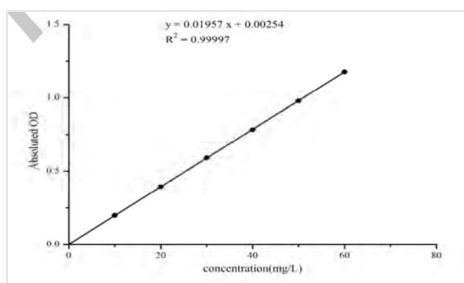
PRODUCT SYNONYMS

serum iron; serum iron assay kit (Colorimetric method); serum iron assay kit

PRODUCT SPECIFICATIONS

Specificity	50 Assays(48 samples)/100 Assay(96 samples)
Samples	Serum and tissue samples
Detection Range	0.072-60 mg/L
Sensitivity	0.072 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 serum iron assay kit

Principle of the Assay: Under the action of acidic solution and reductant, ferric ions can be separated from transferrin in serum, and reduced into ferrous ions (Fe²⁺). The latter then bind to bipyridine and form pink complexes. The concentration of iron can be calculated by measuring the OD value at 520 nm indirectly.

Intended Uses: This kit can be used to measure the concentration of iron in serum and tissue 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.