

Ferrous Iron Assay Kit

Ferrous Iron Colormetric Assay Kit

CATALOG #
AAA177829

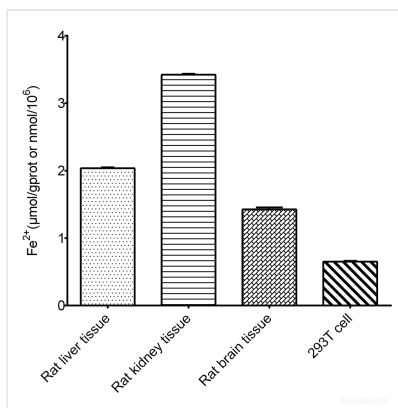
PRODUCT SYNONYMS

Ferrous Iron; Ferrous Iron Colormetric Assay Kit; Ferrous Iron assay kit

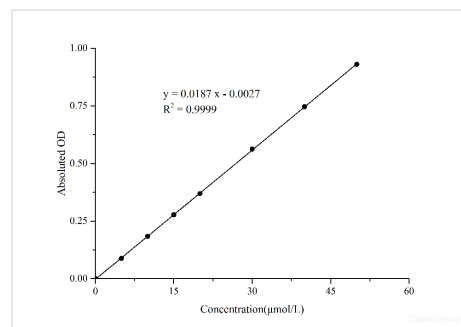
PRODUCT SPECIFICATIONS

Specificity	96T (Can detect 80 samples without duplication)
Samples	Serum, cells, animal and plant tissue samples
Detection Range	0.4 umol/L
Sensitivity	0.4-50 umol/L
Intra-assay Precision	1.3
Inter-assay Precision	1.5
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)



Application Data

ADDITIONAL INFORMATION

Related Product Information for Ferrous Iron assay kit

Background: Iron is one of the metal elements in organism and has important physiological functions. Ferrous ion is a key element in heme and hemoglobin and plays an important role in many biochemical reactions. In recent years, with the introduction of the concept of iron death, it has been found that the absorption, transportation, storage and utilization of iron ions and their excessive accumulation in cells have a significant relationship with aging and disease.

Principle of the Assay: Ferrous ions (Fe²⁺) in samples can bind with probe to form complex, which has a maximum absorption peak at 593nm. The concentration of iron can be calculated by measuring the OD value at 593 nm indirectly.

Intended Uses: This kit can measure ferrous ions (Fe²⁺) content in serum, cells, animal and plant 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.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/ferrous-iron/177829>