

Cell Total Iron Assay Kit

Cell Total Iron Colorimetric Assay Kit

CATALOG #
AAA178091

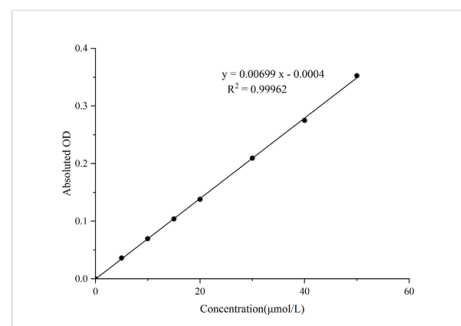
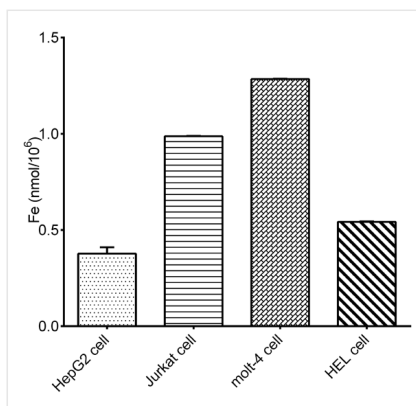
PRODUCT SYNONYMS

Cell Total Iron; Cell Total Iron Colorimetric Assay Kit; Cell Total Iron assay kit

PRODUCT SPECIFICATIONS

Samples	Cell samples
Detection Range	0.4-50umol/L
Sensitivity	0.4umol/L
Intra-assay Precision	1.3
Inter-assay Precision	1.5
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Application Data

ADDITIONAL INFORMATION

Related Product Information for Cell Total Iron assay kit

Principle of the Assay: 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. Under the action of reductant, iron ions in samples can be reduced into ferrous ions (Fe²⁺). The latter then bind to probe and form complexes, which has a maximum absorption peak at 593 nm. The concentration of iron can be calculated by measuring the OD value at 593 nm indirectly.

Product Categories/Family for Cell Total Iron assay kit

Metabolism assay kit; Inorganic ions

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.