

Total Iron Assay Kit

Catalogue No.: abx295070

Total Iron Assay Kit is an assay kit for the detection and quantification of Total Iron concentrations in serum, tissue homogenates and cell lysates using a microplate reader. Under the action of reductant, iron ions in samples can be reduced into ferrous ions (Fe^{2+}). 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.

Target: Total Iron

Storage: Shipped at 4°C. Upon receipt, store the kit according to the storage instruction in the kit's manual.

Validity: The validity for this kit is 12 months.

Test Range: 0.4 $\mu\text{mol/L}$ - 50 $\mu\text{mol/L}$

Sensitivity: 0.4 $\mu\text{mol/L}$

Detection Method: Colorimetric

Assay Data: Quantitative

Sample Type: Serum, tissue homogenates and cell lysates.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.