

## Iron Assay Kit

Catalogue No.: abx298872

Iron Assay Kit is an assay kit designed for the detection and quantification of Iron concentrations in serum and tissue homogenates using a microplate reader. In acidic conditions and in the presence of a reducing agent, ferric ions can be separated from transferrin in serum, and reduced into ferrous ions ( $\text{Fe}^{2+}$ ). The latter then binds to bipyridine, forming pink complexes. The concentration of iron can be calculated indirectly by measuring the absorbance at 520 nm.

**Target:** Iron**Reactivity:** General**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:** 0.29 mg/L - 10 mg/L**Sensitivity:** 0.08 mg/L**Detection Method:** Colorimetric**Assay Data:** Quantitative**Sample Type:** Serum and tissue homogenates.**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.