



Cell Iron Content Assay kit

Iron is one of the essential trace elements in human body, which is the main component of hemoglobin, myoglobin, cytochrome and other enzyme systems. Iron can assist in the transport of oxygen and promote fat oxidation. Iron deficiency can easily cause anemia, metabolic disorders, and affect the immune function of the body. Fe^{3+} is reduced by hydroxylamine hydrochloride to Fe^{2+} . Fe^{2+} could react with Phenanthroline Monohydrate to form a kind of orange compound under weak acid condition, which has an absorption peak at 510 nm. According measure absorbance at 520 nm can reflect cell iron concentration.

Catalog No.	250531
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	2-8°C/6 months
Shipping	Gel Packs