

Iron Assay Kit (Spectrophotometry)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder -20°C for 3 years
In solvent -80°C for 2 years

Actual storage temperature shall be subject to the COA.

Biological Description

Description

Iron is a metallic element that plays a crucial role in numerous biological processes, including iron transport and redox reactions. As a transition element, iron can exist in multiple oxidation states, with the most common being ferrous iron (Fe^{2+} , iron II) and ferric iron (Fe^{3+} , iron III). Iron-containing proteins participate in a wide range of biochemical reactions, often utilizing transient changes in iron oxidation states to drive chemical processes.

Serum iron refers to the iron bound to transferrin in the bloodstream. This parameter is commonly used to differentiate iron-deficiency anemia from non-iron-deficiency anemia.

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