

Iron Assay Kit

Catalogue No.: abx098439

Iron Assay Kit is an Assay Kit by Ferrous Oxazine Colorimetric Method.

This product is used to determine iron content in human serum.

Under acidic conditions, serum iron is freed from its binding protein transferrin, simultaneously the ferric iron (Fe^{3+}) is reduced to ferrous ion (Fe^{2+}). Then ferrous ion react with ferrozine to form purple compound. The change level of absorbance at 570nm is proportional to the iron ion concentration in the sample.

R1: Detection Reagent 1	R2: Detection Reagent 2
Buffer → 250 mmol/l	Buffer → 50 mmol/l
Hydroxylamine Hydrochloride → 3.5 g/l	Ferrozine → 1 g/l
Reducing agent and surfactant	Reducing agent and surfactant
Preservatives → 1 g/l	Preservatives → 1 g/l