



Free Hemoglobin Content Assay kit

Red blood cells rupture and free hemoglobin (Fhb) content increases in the plasma when hemolysis occurs in blood vessels. Plasma Fhb concentration increases mildly to moderately in patients with autoimmune hemolytic anemia, sickle cell disease or thalassemia. The patients have hematuria symptoms who suffer from paroxysmal nocturnal hemoglobinuria, paroxysmal cold hemoglobinuria or unstable hemoglobin disease. It is important to detect Fhb content for diagnosis of hemolytic diseases. Heme in hemoglobin has the catalytic function of peroxidase analogues. It could catalyze the oxidation of 4-aminoantipyrine and phenyl amines by H₂O₂ to form purple quinones. It has a characteristic absorption peak at 546 nm, and its color depth is directly proportional to Fhb content.

Catalog No.	250559
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