



Methemoglobin Content Assay kit

Methemoglobin (MetHb) is the oxidation of hemoglobin (Hb), which ferrous ions are oxidized to ferric ions in hemoglobin. Hemoglobin can transport oxygen, but methemoglobin cannot. MetHb content can reflect oxygen carrying capacity of blood and red blood cell substitutes. It is important to detect MetHb content for diagnosis of methemoglobinemia and development of red blood cell substitutes. Hemoglobin binds to oxygen to form oxyhemoglobin and the latter is deoxidized to form deoxyhemoglobin. Rates of each component mass concentration can be calculated by their extinction coefficients and absorptions at 560nm, 576nm and 630nm. After measuring total Hb content, MetHb content of sample can be calculated by the rates of each component.

Catalog No.	250560
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Storage/Stability	2-8°C/6 months
Shipping	Gel Packs