CREATIVE BIOMART®
Assay Kit

Hemoglobin Colorimetric Assay Kit

Product Information

Cat

Kit-2237

Cat.No. Kit-2237

Product Overview

Hemoglobin (Hb) is an iron containing globular metalloprotein found primarily in red blood cells. It carries oxygen from the lungs to the rest of the body as oxyhemoglobin and then returns back to the lungs as deoxyhemoglobin. In most vertebrates, hemoglobin is in tetrameric form comprising two a-globin chains and two β-globin chains (a2β2). Each chain is associated with a non-protein heme group. Aside from oxygen transport, hemoglobin can bind and transport other molecules like nitric oxide and carbon monoxide. Hemoglobin also plays an important role in maintaining the shape of the red blood cells. Alterations in the structure and binding capacity of hemoglobin are associated with many blood disorders such as sickle-cell anemia and thalassemia. Hemoglobin Colorimetric Assay kit provides a quick and easy method for monitoring hemoglobin levels in a wide variety of samples. In this assay, the detector selectively converts heme into a stable chemical complex that absorbs maximally at 575 nm. The intensity of the color is directly proportional to the total concentration of hemoglobin in the sample. The kit can detect as low as 0.02 g/dl hemoglobin.

Applications

Estimation of Hemoglobin in various Biological Samples.

Storage

4°C

Shipping

Gel Pack

Size

200 assays

Tel: 1-631-559-9269 1-516-512-3133

Email:info@creative-biomart.org

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

CREATIVE BIOMART®
Assay Kit

Hemoglobin Colorimetric Assay Kit

Kit Components	
Hemoglobin Detector; Hemoglobin Standard (equivalent to 1 g/dl)	
Target Species	
Mammalian	
Detection method	Absorbance (OD = 575 nm)
Features & Benefits	
Simple one-step procedure; takes only 15 minutes; Fast and convenient; Detects physiological concentrations of hemoglobins in human samples; HTP adaptable	

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA