CREATIVE BIOMART®
Assay Kit

Heme Assay Kit

Product Information

Cat.No. Kit-0437

Product Overview

Heme Assay Kit is a colorimetric determination of total heme at 400 nm.

Description

Heme is one important member of the porphyrin family. It is synthesized in both mitochondria and cytoplasm, and is a key prosthetic group for various essential proteins such as hemoglobin, cytochromes, catalases and peroxidases. Heme determination is widely practiced by researchers of various blood diseases. Simple, direct and automation-ready procedures for measuring heme concentration are becoming popular in Research and Drug Discovery. Heme Assay Kit is based on an improved aqueous alkaline solution method, in which the heme is converted into a uniform colored form. The intensity of color, measured at 400 nm, is directly proportional to the heme concentration in the sample. The optimized formulation substantially reduces interference by substances in the raw samples and exhibits high sensitivity.

Applications

Direct Assays: total heme in blood, serum, plasma, urine, hemecarrying enzymes.Pharmacology: effects of drugs on heme metabolism.Drug Discovery: HTS for drugs that modulate heme levels.

Usage

For research use only (RUO)

Storage

Store reagent and Calibrator at 4°C. Shelf life: 12 months after receipt.

Kit Components

Reagent 50 mLCalibrator: (equivalent to 62.5 μM heme) 10 mL

Detection method Colorimetric

Compatible Sample Types

Blood, Plasma, Serum, Urine

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

Heme Assay Kit

Features & Benefits

Sensitive and accurate: Linear detection range 0.6-125 μM heme in 96-well plate assay.Simple and high-throughput: The "mix-and-read" procedure involves addition of a single working reagent and reading the optical density. Can be readily automated as a high-throughput assay in 96-well plates for thousands of samples per day.Safety: Reagents are non-toxic.Versatility: Assays can be executed in 96-well plate or cuvet.

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