CREATIVE BIOMART®
Assay Kit

# Heme Assay Kit

## Product Information

**Cat**

Kit-2467

**Cat.No.** Kit-2467

**Product Overview**

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.

**Storage**

4°C

**Shipping**

RT

**Size**

250 tests

**Detection method** OD400nm

**Compatible Sample Types**

Blood, serum, plasma, urine etc

**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

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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.

| **Assay time** |
| --- |
| 5 min |
| **Sensitivity** |
| 0.6 μM |

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