CREATIVE BIOMART®
Assay Kit

Ceruloplasmin Activity Colorimetric Assay Kit

Product Information

Cat

Kit-2275

Cat.No. Kit-2275

Product Overview

Ceruloplasmin is a copper containing protein found primarily in the blood. It carries approximately 70% of the total copper present in the blood. Ceruloplasmin exhibits a weak oxidase activity, which is a more accurate method of assessing ceruloplasmin in serum than immunodiffusion or other non-enzymatic assays. Normal Ceruloplasmin levels are generally 1-4 μM (15-60 mg/dl), equivalent to approximately 50-150 mU/ml. Elevated amounts of serum ceruloplasmin are found in pregnancy, cancer, rheumatoid arthritis and in several mental conditions such as Alzheimer's, schizophrenia and OCD. Abnormally low amounts are found in Wilson's and Menkes' Diseases and in several other rare conditions. Ceruloplasmin Activity Assay Kit utilizes an oxidase substrate, which gives an intensely colored product upon oxidation. The kit is fast, easy to use and suitable for high throughput applications and can measure ceruloplasmin activity in serum in the range between approximately 5 and 500 mU/ml.

Applications

Measurement of ceruloplasmin activity in serum.

Storage

4°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Ceruloplasmin Assay Buffer; Ammonium Sulfate, saturated (~4.1M); Ceruloplasmin Substrate; Oxidizer

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Ceruloplasmin Activity Colorimetric Assay Kit

(100 mM); Stabilizer

Detection method Absorbance (OD 560 nm)

Features & Benefits

Simple, highly sensitive, and high-throughput suitable.
The assay kit can measure ceruloplasmin activity in serum in the range between approximately 5 and 500 mU/ml.

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