CREATIVE BIOMART®
Assay Kit

Blood copper (Cu) Content Assay Kit

Product Information

Product Overview

Under acidic conditions, copper bound to proteins is dissociated. Ascorbic acid (in its reduced form) reduces the dissociated divalent copper ions to monovalent copper ions. These monovalent copper ions then form a blue complex with the chromogenic agent 3,5-DiBr-PAESA. This complex has a characteristic absorption peak at a wavelength of 600 nm. By measuring the change in absorbance, the concentration of copper in the blood can be calculated.

Size

96 Samples

Storage

4□

Shipping

Ice pack

Kit Components

Reagent 1: Liquid, 15mL × 1 bottle, stored at 4°C.
Reagent 2: Liquid, 5mL × 1 bottle, stored at 4°C.
Standard tube: Liquid, 0.2mL × 1 vial, stored at 4°C with a concentration of 25.4μmol/L.

Materials Required but Not Supplied

Microplate reader, 96-well plate, adjustable pipette, centrifuge, distilled water.

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