



## Cell Copper Content Assay kit

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Copper (Cu) is one of the essential trace elements of human body, and is also an important part of protein and enzyme. It can exist inside and outside the red blood cells, and its main function is to assist the maturation of hemoglobin, that is, to catalyze the synthesis of hemoglobin. Copper can properly promote the development of the human bone, promote the development of the human nervous system and the brain, and maintain the normal growth and development of infants and young children, therefore, the determination of copper ion content in the tissue can know whether the body is deficient in copper. Under acidic conditions,  $\text{Cu}^{2+}$  is dissociated from ceruloplasmin and albumin and reacts with complexing agent 3, 5-dibromo-PAESA to produce a purple complex, which has a characteristic absorption peak at 580nm, and the absorbance is proportional to the concentration in a certain range, thus calculating the  $\text{Cu}^{2+}$  concentration

Catalog No.	250575
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	2-8°C/6 months
Shipping	Gel Packs