



Creatinine Content Assay kit

Creatinine (Cre), the chemical formula is $C_4H_7N_3O$, is a product of muscle metabolism in the human body, which is mainly excreted by glomerular filtration. Serum creatinine comes from both exogenous and endogenous sources. Exogenous creatinine is the product of meat metabolism in the body; endogenous creatinine is the product of muscle metabolism in the body. The creatinine in the sample is hydrolyzed to creatine under the catalysis of creatinine enzyme. Under the catalysis of creatinase, creatine hydrolyzes to creatine and urea. Sarcosine is oxidized to hydrogen peroxide under the catalysis of sarcosine oxidase. Peroxidase catalyzed the oxidation of 4-aminoantipyrine coupling phenol by hydrogen peroxide to form colored compounds with characteristic absorption peak at 505nm.

Catalog No.	250491
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	-20°C/6 months
Shipping	Gel Packs