

Creatinine Assay Kit

Catalogue No.: abx298944

Creatinine Assay Kit can be used to detect Creatinine in serum, plasma and urine using a microplate reader. Creatinine (Cr) can be catalyzed by creatinase, generating creatine. Creatine can be hydrolyzed into sarcosine and urea by creatinase. The sarcosine can be catalyzed by sarcosine oxidase to form glycine, formaldehyde and hydrogen peroxide. The reaction between hydrogen peroxide, 2,4-(6-Tri-iodine-3-hydroxybenzoic acid) and 4-ampyrone can be catalyzed by peroxidase, forming a pink compound. The Creatinine concentration can be calculated by measuring the absorbance at 515 nm.

Target: Creatinine**Reactivity:** General**Storage:** Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual.**Validity:** The validity for this kit is 12 months.**Test Range:** 20.45 µmol/L – 400 µmol/L**Sensitivity:** 3.8 µmol/L**Detection Method:** Colorimetric**Assay Data:** Quantitative**Sample Type:** Serum, plasma and urine.**CAS Number:** 60-27-5**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.