

Creatinine Assay Kit | Cr assay kit

Creatinine (Cr) Colorimetric Assay Kit (Sarcosine Oxidase Method)

CATALOG #
AAA177024

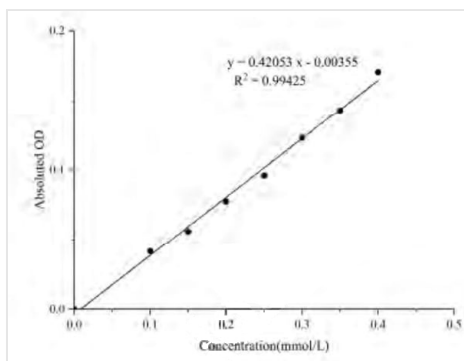
PRODUCT SYNONYMS

Creatinine; Creatinine (Cr) Colorimetric Assay Kit (Sarcosine Oxidase Method); Cr assay kit

PRODUCT SPECIFICATIONS

Specificity	96T (Can detect 80 samples without duplication)
Samples	Serum, plasma, urine samples
Detection Range	20.45-800 umol/L
Sensitivity	3.8 umol/L
Intra-assay Precision	The intra-assay CV is 1.4%.
Inter-assay Precision	The inter-assay CV is 3.7%.
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cr assay kit

Principle of the Assay: Creatinine (Cr) can be catalyzed by sarcosamine hydrolases and generates creatine. Creatine can be hydrolyzed into sarcosine and urea by creatine amine hydrolase. The sarcosine can be catalyzed by sarcosine oxidase and 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 and form pink compound. Creatinine content can be calculated indirectly by measuring the OD value at 515 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI # [1786852804](#)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

