

General Creatinine Assay Kit

Creatinine Microplate Assay Kit

CATALOG # AAA264746	REACTIVITY General	APPLICATIONS Functional Assay
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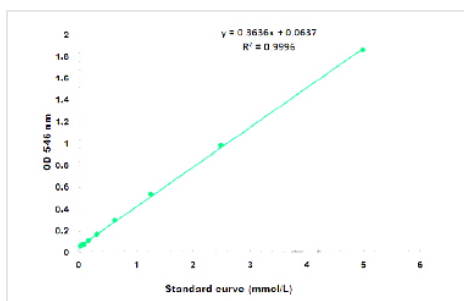
PRODUCT SYNONYMS

Creatinine; Creatinine Microplate Assay Kit; Creatinine assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	263
Samples	Urine, serum, plasma, other biological fluids samples
Detection Range	0.05 mmol/L - 5 mmol/L
Applicable Applications for Creatinine assay kit	FA (Functional Assay)
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Creatinine assay kit

Background/Introduction: Creatinine is synthesized in the body at a fairly constant rate from creatine, which is produced during muscle contractions from creatine phosphate. In the blood, creatinine is removed by filtration through the glomeruli of the kidney and is secreted into urine. In healthy individuals, creatinine secretion is independent of diet and is fairly constant. The creatinine clearance test has become one of the most sensitive tests for measuring glomerular filtration rate. In kidney disease, creatinine levels in the blood are elevated, whereas the creatinine clearance rate and hence the urine levels are diminished. Creatinine test is most widely used to assess kidney function. Simple, direct and automation-ready procedures for measuring creatinine concentration in biological samples are becoming popular in Research and Drug Discovery. Creatinine Microplate Assay Kit provides an accurate, convenient measure of creatinine concentration in biological fluids such as serum, urine or CSF. In the assay, creatinine is converted to creatine by creatininase, creatine is converted to sarcosine, which is specifically oxidized to produce a product which reacts with a probe to generate red color, can be measured at a colorimetric readout at 546 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1786860673
NCBI Official Full Name	creatinine

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.

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Online datasheet: <https://www.aaabiotech.com/general-assay-kits/creatinine/264746>