

## General Creatine Assay Kit

Creatine Microplate Assay Kit

|                               |                              |                                         |
|-------------------------------|------------------------------|-----------------------------------------|
| CATALOG #<br><b>AAA264729</b> | REACTIVITY<br><b>General</b> | APPLICATIONS<br><b>Functional Assay</b> |
|-------------------------------|------------------------------|-----------------------------------------|

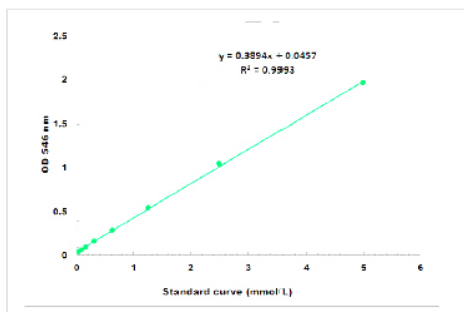
### PRODUCT SYNONYMS

Creatine; Creatine Microplate Assay Kit; Creatine assay kit

### PRODUCT SPECIFICATIONS

|                                                |                                                       |
|------------------------------------------------|-------------------------------------------------------|
| Reactivity                                     | General                                               |
| Samples                                        | Urine, serum, plasma, other biological fluids samples |
| Detection Range                                | 0.05 mmol/L - 5 mmol/L                                |
| Applicable Applications for Creatine 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 Creatine assay kit

Background/Introduction: Creatine is present in vertebrates and helps to supply energy to muscle. In humans and animals, approximately half of creatine originates from food (mainly from fresh meat). Creatine supplementation has been investigated as a possible therapeutic approach for the treatment of muscular, neuromuscular, neurological and neurodegenerative diseases. Creatine Microplate Assay Kit provides an accurate, convenient measure of creatine concentration in biological fluids such as serum, urine or CSF. In the assay, 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.

**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.