

## General Creatinine RTU ELISA Kit

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CATALOG #  
**AAA219600**

REACTIVITY  
**General**

### PRODUCT SYNONYMS

Creatinine; General Creatinine ELISA Kit; Cr; Creatinine rtu elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | General                                                                                                                                                                                                                                                                                                                                             |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Crtn. No significant cross-reactivity or interference between Crtn and analogues was observed.                                                                                                                                                                           |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                            |
| Samples                 | General serum, tissue homogenates or other biological fluids                                                                                                                                                                                                                                                                                        |
| Detection Range         | 2.81-180umol/mL                                                                                                                                                                                                                                                                                                                                     |
| Sensitivity             | < 1.13umol/mL                                                                                                                                                                                                                                                                                                                                       |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Crtn were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                              |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Crtn were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                            |
| Preparation and Storage | For unopened kits: All the reagents should be kept at 4 degree C upon receipt.<br>For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal. |

### ADDITIONAL INFORMATION

#### Related Product Information for Creatinine rtu elisa kit

**Principle of the Assay:** This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Crtn has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Crtn and unlabeled Crtn (Standards or samples) with the pre-coated antibody specific to Crtn. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Crtn in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Crtn in the sample.

**Intended Uses:** The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of Crtn in general serum, tissue homogenates or other biological fluids.

**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.