

## Micro Hexokinase (HK) Activity Assay Kit | HK assay kit

Micro Hexokinase (HK) Activity Colorimetric Assay Kit

CATALOG #  
**AAA332509**

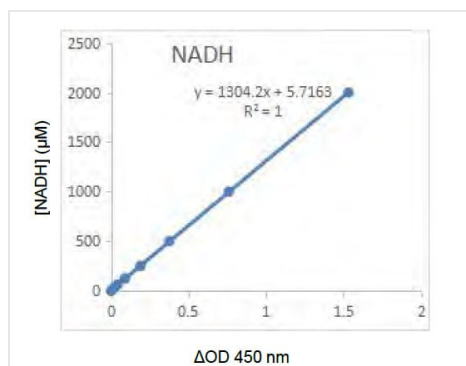
### PRODUCT SYNONYMS

Micro Hexokinase (HK) Activity; Micro Hexokinase (HK) Activity Colorimetric Assay Kit; Hexokinase; HK; Colorimetric Assay; HK assay kit

### PRODUCT SPECIFICATIONS

|                                |                                                                                                                                                                                                                                                                             |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Samples</b>                 | Serum, Plasma, Animal and Plant Tissues, Cells, Cell Culture Supernatant, Bacteria                                                                                                                                                                                          |
| <b>Detection Range</b>         | 31.25-2,000 $\mu$ M                                                                                                                                                                                                                                                         |
| <b>Usage Notes</b>             | Do not mix or substitute reagents or materials from other kit lots or vendors.<br>It is advisable to measure serum potassium as soon as possible after blood collection.<br>Ensure all reagents and equipment are at the appropriate temperature before starting the assay. |
| <b>Preparation and Storage</b> | Store at 4 degree C and protect from light upon receipt. Kit has a storage time of 12 months form receipt.<br>Shipping  Gel pack with blue ice.                                                                                                                             |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for HK assay kit</b> | Principle of the Assay: Hexokinase (HK, EC 2.7.1.1) is widely present in animals, plants, microorganisms and cultured cells. It is the first key enzyme in the process of glucose decomposition and catalyzes the conversion of glucose into glucose 6-phosphate, which is the intersection of glycolysis and pentose phosphate pathways. CheKine™ Micro Hexokinase (HK) Activity Assay Kit provides a convenient tool for sensitive detection of HK activity in Serum, Plasma, Animal and Plant Tissues, Cells, Cell Culture Supernatant, Bacteria and other samples. The principle is that HK catalyzes glucose synthesis glucose 6-phosphate, glucose 6-phosphate dehydrogenase further catalyzes the dehydrogenation of glucose 6-phosphate to form NADH. The formed NADH reduces a formazan (WST-8) reagent, which has a maximum absorption peak detected at about 450 nm. The enzyme activity was calculated by detecting the rate of increase in absorption at 450 nm. |
| <b>Product Categories/Family for HK assay kit</b>   | Biochemical Assay Kit; Cell Metabolism; Cytology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**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.

