

Creatine Kinase (CK) Assay Kit

Catalogue No.: abx298943

Creatine Kinase Assay Kit is an assay kit designed for the detection and quantification of Creatine Kinase activity in serum, plasma, tissue homogenates and cell lysates using a spectrophotometer. Creatine kinase (CK) catalyzes the reaction between creatine phosphate and ADP to produce creatine and ATP. Hexokinase catalyzes the reaction of creatine and glucose to produce glucose-6-phosphate. Glucose-6-phosphate dehydrogenase (G-6-PD) catalyzes the reaction between glucose-6-phosphate and NADP⁺ to produce NADPH which has a maximum absorption peak at 340 nm. The CK activity can be calculated by measuring the absorbance at 340 nm.

Target: Creatine Kinase (CK)**Reactivity:** General**Storage:** Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual.**Validity:** The validity for this kit is 12 months.**Test Range:** 3.7 U/L - 160 U/L**Sensitivity:** 3.7 U/L**Detection Method:** Colorimetric**Assay Data:** Quantitative**Sample Type:** Serum, plasma, tissue homogenates and cell lysates.**CAS Number:** 9001-15-4**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.