

Ca²⁺-ATPase Activity Assay Kit

Cat No: HR3BC1150

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Spectrophotometer (660nm)
Assay Time	50 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Animal tissue
Synonyms	Ca ²⁺ -ATPase
Instrument	Spectrophotometer (660nm)
Detection Principle	ATPase exists on the membrane of tissue cells and organelles. It is a kind of protease on the biological membrane which plays an important role in material transport, energy conversion and information transmission. Ca ²⁺ which participates in the regulation of different enzyme systems and cell activities plays many important roles in cells. The flow of Ca ²⁺ depends on the Ca ²⁺ -ATPase on the cell membrane, and Ca ²⁺ -ATPase consumes ATP to generate the energy needed for ion transport.
Reagents	Normal saline (0.9% NaCl)
Labware	Test tube, Micropipettor, Vortex mixer, Incubator, Centrifuge
Size	100 assays
Sensitivity	0.8 U/g wet weight
Detection Range	0.8-41 U/g wet weight
Recovery Rate	