

# Homocysteine (Hcy) Colorimetric Assay Kit (Enzyme Circulation Method)

Cat No: HR3BC1143

For research use only

## Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Biochemistry analyzer(340 nm), Spectrophotometer(340 nm)
Assay Time	
Validity	12
Assay Type	Quantitative
Sample Type	Serum
Synonyms	Hcy
Instrument	Biochemistry analyzer(340 nm), Spectrophotometer(340 nm)
Detection Principle	Oxidized homocysteine (HCY) is reduced to free homocysteine by triethyl phosphine (TCEP), and the free homocysteine reacts with substrate to generate adenosine. The generated adenosine is immediately dehydrogenated into inosine and ammonia, and the ammonia is further react with NADH under the catalysis of glutamate dehydrogenase to convert NADH to NAD <sup>+</sup> . The decrease in absorbance at 340 nm caused by the decline of NADH is proportional to the concentration of homocysteine in the sample.
Reagents	
Labware	
Size	100Assays
Sensitivity	
Detection Range	0-50 ?mol/L
Recovery Rate	