

## Homocysteine Assay Kit

Catalogue No.: abx098434

Homocysteine Assay Kit is an Assay Kit by Enzymatic Method.

Based on the bottle type, product model can be classified in to Hitachi 7170, Hitachi 7060, Hitachi 7020, Beckman, Toshiba, Mindray, DuPont, Innova, Siemens, KHB, Abbott, Universal types, etc

This product is used to determine homocysteine content in human serum. Mainly used for diagnosis and monitoring of cardiovascular diseases, such as coronary atherosclerosis, myocardial infarction and so on.

Using the small molecule capture technology, S - Adenosyl - L - Homocysteine Hydrolase (SAHH) convert s the oxidation of homocysteine to free type. The free type homocysteine cyclic amplify t hrough react with the covalent substrate and generate adenosine at the same tim e. Adenosine is hydrolyzed to ammonia and hypoxanthine. Under the action of glutamate dehydrogenase ( GL DH) , ammonia take part in the conversion of NADH to NAD +. The decrease level of NADH absorbance at 340nm wavelength is proportional to the Hcy concentration. Hcy concentration in the sample can be calculated by comparing the calibrator resu lt with same processing.

<b>R1: Detection Reagent 1</b>	<b>R2: Detection Reagent 2</b>
S-adenosyl methionine (SAM) → 0.1 mmol/l	SAHH → 3.0 KU/L
NADH → 0.2 mmol/L	Adenosine deaminase (ADA) → 5.0 KU/L
TCEP → 0.5 mmol/l	
α-Ketoglutarate → 5.0 mmol/l	
HMTase → 5.0 KU/L	
GLDH → 10.0 KU/L	