

Homocysteine (HCY) Assay Kit (Cystathionine assay)

Product Information

Cat#	Kit-079
Description	Designed with a coupled cystathionine enzymatic cycling system, this HCY assay kit amplifies weak homocysteine signals in plasma to achieve sensitive and accurate quantitative measurement of total homocysteine. The optimized buffer system suppresses cross-reactions with other sulfur-containing amino acids, ensuring reliable test results for cardiovascular risk stratification, cerebrovascular disease screening and congenital metabolic disorder detection. It supports batch detection in central laboratories and satisfies quality control requirements for routine metabolic biochemistry projects.
Application	This product can be applied for sensitive quantification of total homocysteine in plasma using coupled cystathionine enzymatic cycling assay.
Benefits	Fully manufactured with self-supplied raw materials, this product achieves high specificity, high sensitivity and excellent anti-interference capability.
Precision	Intra-assay CV $\leq$ 3%; Inter-assay CV $\leq$ 5%.
Linear Range of Detection	This Assay Kit shows a good linearity for HCY concentration between 0-50 μ mol/L.
Anti-interference Performance	Hemoglobin $\leq$ 500 mg/dL; Vitamin C $\leq$ 20 mg/dL; Triglyceride $\leq$ 1250 mg/dL; Bilirubin $\leq$ 50 mg/dL
Storage	Excellent stability can be maintained for 18 months when stored sealed below 4°C; stable within 30 days after opening.
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