ENZYMATIC HOMOCYSTEINE KIT

THREE REAGENT LIQUID STABLE

510(k) Cleared CE
Health Canada Registered

AWARD WINNING INNOVATION AND PERFORMANCE

- The AACC recognizes Diazyme Laboratories for its outstanding contribution to scientific research in clinical chemistry and innovation
- Developed an enzyme cycling based clinical diagnostic test for homocysteine (HCY)

RELIABLE RESULTS IN RENAL PATIENTS

- Other enzymatic HCY methods can have errors >20 µmol/L due to cross reactivity with non-homocysteine metabolites
- No significant interference from cystathionine which is present in renal disease

THE CHOICE OF LEADING LABORATORIES WORLDWIDE

- Optimized for use with three reagent chemistry systems
- Available with a wide variety of instrument parameters
- Convenient dedicated packaging for:
  - o cobas Mira
  - o Siemens Dimension Series

DIAZYME

INNOVATIONS IN CLINICAL DIAGNOSTICS

DIAZYME

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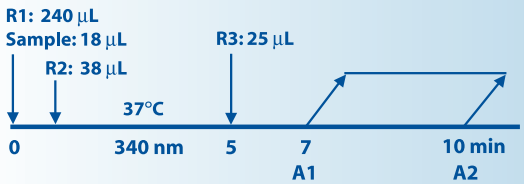
Homocysteine (HCY)

Method	Diazyme patented enzyme cycling method
Correlation	• N = 66 • R^2 = 0.976 • Slope = 0.98 • y Intercept = 0.87
Assay Range	3 to 50 µmol/L
On-Board Stability	100 days
Calibration	Five point calibration
Sample Type	• Serum • Plasma - EDTA - Lithium Heparin
Sample Volume	18 µL

Assay Method



Three Reagent System

Parameter questions for homocysteine assay should be addressed to Diazyme technical support. Please call 858.455.4768 or email support@diazyme.com

ACCURATE

- Excellent correlation to HPLC and immunochemical method

EFFICIENT

- Can be used in random access mode without reagent "carry over" concerns
- Enables consolidation of HCY onto conventional chemistry platforms with exceptional on-board and calibration stability

RELIABLE

- No "carry over" issues with iron or lipase reagents
- Diazyme's enzymatic homocysteine is the choice of hundreds of laboratories worldwide

CONVENIENT

- Instrument specific packaging
  - * Roche Hitachi series
  - * Beckman Synchron
  - * Siemens Dimension

PRECISE

- Precision studies were conducted according to the NCCLS EP-5 protocol

HCY Concentration	7 µmol/L N = 40	12 µmol/L N = 80	29 µmol/L N = 80
Within-Run Imprecision CV%	2.2	3.0	1.8
Total Imprecision CV%	4.1	5.9	4.0

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