



ENZYMATIC HOMOCYSTEINE KIT

DUAL VIAL LIQUID STABLE FORMULATION

510(k) Cleared 
Health Canada Registered

THE CHOICE OF LEADING LABORATORIES WORLDWIDE

- The assay is available with a wide variety of parameters for two reagent systems
- Beckman AU instrument specific packaging options available

AWARD WINNING INNOVATION AND PERFORMANCE

- AACC recognized for outstanding contribution to scientific research
- Innovative enzyme cycling based clinical diagnostic test utilized to measure homocysteine (HCY) levels

RELIABLE RESULTS IN RENAL PATIENTS

- Other enzymatic HCY methods can have errors >20 $\mu\text{mol/L}$ due to cross reactivity with non-homocysteine metabolites
- No significant interference from cystathionine which is present in renal disease





ENZYMATIC HOMOCYSTEINE KIT

Homocysteine (HCY)

DUAL VIAL STABLE LIQUID FORMULATION

| | |
|---------------------------------|--|
| Method | Diazyme patented enzyme cycling method |
| Correlation | <ul style="list-style-type: none"> • N = 40 • R² = 0.99 • Slope = 0.94 • y Intercept = 1.05 |
| Assay Range | 3 to 50 µmol/L |
| On-Board Stability* | At least 60 days |
| Calibration* | Five Point calibration |
| Sample Type | <ul style="list-style-type: none"> • Serum • Plasma <ul style="list-style-type: none"> - EDTA - Lithium Heparin |
| Sample Volume | 13 µL |
| Limit of Detection (LOD) | 0.4 µmol/L |

ACCURATE

- Excellent correlation to HPLC and immunochemical method
- No cystathionine interference

EFFICIENT

- Can be used in random access mode without reagent carry over concerns
- Enables consolidation of homocysteine 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

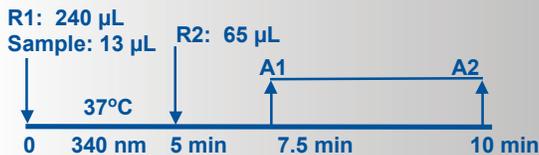
- Instrument specific packaging

PRECISE

- Precision according to NCCLS EP-5

| HCY Concentration | 7 µmol/L | 12 µmol/L | 15.6 µmol/L | 29 µmol/L |
|--|----------|-----------|-------------|-----------|
| Within-Run Imprecision CV% N = 20 | 4.5 | 1.87 | 3.04 | 2.4 |
| Total Imprecision CV% N = 30 | 5.87 | 4.88 | 5.51 | 2.57 |

Assay Method



*Analyzer Dependent

Two Reagent System

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

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