BIOBOON BIOTECH LLC



Homocysteine Test Kit

Enzymatic

Automated & Manual Assay

- **37°C** (Temperature)
- **340 / 405 nm** (Wavelengths)
- **90 Seconds** (Delay Time)
- **180 Seconds** (Read Time)
- **0 – 50 µmol/L** (Linearity)



AUTOMATED PARAMETERS

Temperature	37°C
Cuvette Light Path	1.0 cm
Primary Wavelength	340 nm
Secondary Wavelength	405 nm
Direction	Decreasing
Sample Volume	13 µL
Reagent Volume	305 µL
Delay Time	90 seconds
Read Time	180 seconds
Linearity	0 – 50 µmol/L

MANUAL ASSAY PROCEDURE

Pipette into Test Tubes.

Addition Sequence	Calibrator Tube	Test Tube
Reagent 1	240 µL	240 µL
Calibrator	13 µL	-
Sample	-	13 µL

1. Mix well and incubate for 5 minutes at 37°C.
2. Then add Reagent 2 (65 µL) to each tube.
3. Read the absorbance A1 after 90 seconds and A2 after 180 seconds after sample / calibrator addition.

LINEARITY & DETECTION LIMIT

LINEARITY

The method is linear upto a concentration of 50 µmol/L. If testing results is above the upper limit, dilute with 0.9% sodium chloride solution before test, results multiplied by the dilution ratio.

LIMIT OF DETECTION

0 µmol/L

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