



## HOMOGENEOUS ENZYMIC HOMOCYSTEINE REAGENT

### Synchron® LX User Defined Parameters:

#### INSTRUMENT PARAMETERS:

Test name: User Defined  
 Reaction Type: RATE1  
 Units:  $\mu\text{mol/L}$   
 Decimal Precision: X.X  
 Reaction Direction: NEGATIVE  
 Calculation Factor: 1.0  
 Math Model: Linear  
 Cal. Time Limit: 120 hrs.  
 Number of Calibrators: 2  
   #1: 0.0  
   #2: \*  
 Primary Wavelength: 340 nm  
 Secondary Wavelength: 380 nm  
 Sample Volume: 25  $\mu\text{l}$

#### REAGENTS:

**Primary Inject(first)/First Inject**  
   Compartment/Component: A  
   Volume/Dispense Volume: 179  $\mu\text{l}$   
   Add Time/Inject Time: n/a  
**Primary Inject (second0/Second Inject**  
   Compartment/Component: B  
   Volume/Dispense Volume: 22  $\mu\text{l}$   
   Add Time/Inject Time: -180  
   Secondary Inject/Third Inject  
   Compartment/Component: C  
   Volume/Dispense Volume: 14  $\mu\text{l}$   
   Add Time/Inject Time: 272 sec  
**Blank**  
   Start Read: -50 sec  
   End Read: -10 sec

**Reaction 1**  
   Start Read: 357 sec  
   End Read: 632 sec  
**Reaction 2**  
   Start Read: n/a  
   End Read: n/a  
**USABLE RESULT RANGE:**  
   Lower Limit: 0.7  
   Upper Limit: 50

#### ERROR DETECTION LIMITS:

**Reagent Blank/Blank**  
   ABS Low Limit: -1.500  
   ABS High Limit: 2.200  
   Rate Low Limit: 2.200  
   Rate High Limit: -1.500  
   Mean Deviation: 2.200  
**Reaction /Reaction 1**  
   ABS Low Limit: -1.500  
   ABS High Limit: 2.200  
   Rate Low Limit: 2.200  
   Rate High Limit: -1.500  
   Mean Deviation: 2.200

#### SUBSTRATE DEPLETION:

  Initial Rate: -0.060  
   Delta ABS: 2.200

**MULTI POINT SPAN: 1-2: -0.001\*\***

\* Value on Calibrator D vial, \*\*Note the minus sign for this parameter.

RESULTS: Results are printed out by the Synchron LX/DX in  $\mu\text{mol/L}$ .

Note: Samples with values greater than 50  $\mu\text{mol/L}$  should be diluted 1:3 with the saline and rerun. Multiply results by 3.