

# CREATINE KINASE

Continuous-spectrophotometric  
IFCC

The application parameters comprised here constitute a guide to facilitate the validation of our reagents by the instrument. It is advisable to validate the use when there is any change in software or reagent versions.

## Instruments: **COBAS MIRA / MIRA Plus**

### Reagent preparation

Working Reagent: Empty the contents of a Reagent B bottle into a Reagent A bottle. Swirl gently.  
Stable for 15 days at 2-8 °C.

### Instrument settings

|                  |          |                    |            |
|------------------|----------|--------------------|------------|
| <b>GENERAL</b>   |          | <b>CALCULATION</b> |            |
| MEASUREMENT MODE | ABSORB   | SAMPLE LIMIT       | 0.4 ΔA     |
| REACTION MODE    | R-S      | POINT              | T1         |
| CALIBRATION MODE | FACTOR   | REACTION DIRECTION | INCREASE   |
| REAGENT BLANK    | REAG/DIL | CHECK              | ON         |
| CLEANER          | NO       | CONVERSION FACTOR  | 1          |
| WAVELENGTH       | 340 nm   | OFFSET             | 1          |
| DECIMAL POSITION |          | TEST RANGE LOW     | 0          |
| UNIT             | 0 (U/L)  | HIGH               | 900 U/L    |
|                  | 21 (U/L) | NORM RANGE LOW     | 26 U/L     |
|                  |          | HIGH               | 174 U/L    |
| <b>ANALYSIS</b>  |          | NUMBER OF STEPS    | 1          |
| POST DIL. FACTOR |          | CALCULATION STEP   | KINSEARCH  |
| CONC. FACTOR     | NO       | READING FIRST      | 10         |
| SAMPLE CYCLE     |          | LAST               | 18         |
| VOLUME           | 10 μL    | REACTION LIMIT     | 0.9 ΔA     |
| DILUTION NAME    | H2O      | POINT              | T1         |
| VOLUME           | 10 μL    |                    |            |
| REAGENT CYCLE    | 1        | <b>CALIBRATION</b> |            |
| VOLUME           | 150 μL   | CALIB. INTERVAL    | ON REQUEST |
|                  |          | TIME               | NO         |
|                  |          | BLANK RANGE LOW    | SPACE      |
|                  |          | HIGH               | - 0.002 ΔA |
|                  |          | REAGENT RANGE LOW  | 0.003 ΔA   |
|                  |          | HIGH               | 0.100 ΔA   |
|                  |          | FACTOR             | 0.4 ΔA     |
|                  |          |                    | 4677       |