

# CREATINE KINASE

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.

## Instrument: ARCHITECT C8000

### Reagent preparation

Working Reagent: Pour the contents of the Reagent B into the Reagent A bottle. Mix gently.  
Stable for 15 days at 2-8°C. Working Reagent must be protected from light.

### Instrument settings

| General                              |               |                  |                                | Conventional Units                    |                |             |
|--------------------------------------|---------------|------------------|--------------------------------|---------------------------------------|----------------|-------------|
| Assay Number                         | CK            | Type             | Photometric                    | Results Unit                          | U/L            |             |
|                                      | ...           | Version          | 1                              | Assay Defaults                        | Low Linearity  | 9.2         |
|                                      |               |                  |                                |                                       | High Linearity | 900         |
| <b>Reaction Definition</b>           |               |                  |                                | <u>Gender and Age specific Ranges</u> |                |             |
| Reaction Mode                        | Rate Up       |                  | Read Times                     | GENDER                                | AGE (Y)        | NORMAL      |
| Wavelength                           | 340 / 0       | Main             | 3 -- 13                        | Male                                  | 0-130          | 38 - 174    |
| Last Required Read                   | 13            | Flex             | — -- —                         | Female                                | 0-130          | 26 - 140    |
| Absorbance Range                     | ... / ...     | Color Correction | — -- —                         | Either                                | 0-130          | 26 - 174    |
| Sample Blank Type                    | None          | Blank Read Time  | — -- —                         |                                       |                |             |
| <b>Reagent / Sample</b>              |               |                  |                                | Results Units                         | U/L            |             |
| Reagent                              | CK            | Reagent Volume   | R1 R2                          | Decimal Places                        | 1              | (Range 0-4) |
| Diluent                              | Saline        | Water Volume     | 200                            | Correlation Factor                    | 1.0000         |             |
| Diluent Disp. Mode                   | Type 0        | Dispense Mode    | — —                            | Intercept                             | 0.0000         |             |
|                                      |               |                  | Type 0 Type 0                  |                                       |                |             |
| Diluent Name                         | Sample        | Water            | Dilution Factor                |                                       |                |             |
| Standard                             | 10            |                  | 1:1.00                         |                                       |                |             |
| <b>Validity Checks</b>               |               |                  |                                |                                       |                |             |
| Reaction definition                  | None          |                  |                                |                                       |                |             |
| Rate Linearity %                     | —             |                  |                                |                                       |                |             |
| Calibration                          |               |                  |                                |                                       |                |             |
| Method                               | Linear        |                  |                                |                                       |                |             |
| <b>Calibrators and Volumes</b>       |               |                  |                                |                                       |                |             |
| Calibrator Set                       | Standard      |                  | Calibrator Level               | Concentration                         | Volume         |             |
|                                      |               |                  | Blank                          | 0.0                                   | 10             |             |
|                                      |               |                  | Std. 1                         | (*)                                   | 10             |             |
|                                      |               |                  | Std. 2                         | --                                    | --             |             |
|                                      |               |                  | Std. 3                         | --                                    | --             |             |
|                                      |               |                  | Std. 4                         | --                                    | --             |             |
|                                      |               |                  | Std. 5                         | --                                    | --             |             |
| Replicates                           | 3             | (Range 1-3)      |                                |                                       |                |             |
| <b>Intervals</b>                     |               |                  |                                | <b>Validity Checks</b>                |                |             |
| Calibration Interval                 | Full Interval | 999 hours        | Blank Absorbance range:        | 0.0000 -- 0.0000                      |                |             |
| Calibration Type                     | Adjust Type   | None             | Span Absorbance Range:         | 0.0000 -- 0.0000                      |                |             |
|                                      |               |                  | Expected cal Factor :          | 0.00                                  |                |             |
|                                      |               |                  | Expected Cal factor tolerance: | % 0                                   |                |             |
| (*) Enter the standard value         |               |                  |                                |                                       |                |             |
| ... Values to be entered by the user |               |                  |                                |                                       |                |             |