

# CALCIUM

Spectrophotometric  
ARSENAZO III

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

Reagent is ready to be used.

### Instrument settings

| General                              |               |                  |                  | Conventional Units                    |                  |             |
|--------------------------------------|---------------|------------------|------------------|---------------------------------------|------------------|-------------|
| Assay Number                         | Ca Ars<br>... | Type<br>Version  | Photometric<br>1 | Results Unit                          | mg/dL            |             |
| Reaction Definition                  |               |                  |                  | Assay Defaults                        | Low Linearity    | 0.2         |
| Reaction Mode                        | End Up        |                  | Read Times       | High Linearity                        |                  | 18          |
| Wavelength                           | 660 / 0       | Main             | 16 -- 18         | <u>Gender and Age specific Ranges</u> |                  |             |
| Last Required Read                   | 18            | Flex             | — -- —           | GENDER                                | AGE (Y)          | NORMAL      |
| Absorbance Range                     | ... / ...     | Color Correction | — -- —           | Male                                  | 0-130            | 8.6 – 10.3  |
| Sample Blank Type                    | None          | Blank Read Time  | — -- —           | Female                                | 0-130            | 8.6 – 10.3  |
| Reagent / Sample                     |               |                  |                  | Either                                | 0-130            | 8.6 – 10.3  |
| Reagent                              | Ca Ars        | Reagent Volume   | R1 R2<br>250     | Results Units                         | mg/dL            |             |
| Diluent                              | Saline        | Water Volume     | — —              | Decimal Places                        | 1                | (Range 0-4) |
| Diluent Disp. Mode                   | Type 0        | Dispense Mode    | Type 0 Type 0    | Correlation Factor                    | 1.0000           |             |
| Diluent Name                         | Sample        | Water            | Dilution Factor  | Intercept                             | 0.0000           |             |
| Standard                             | 4             |                  | 1:1.00           |                                       |                  |             |
| Validity Checks                      |               |                  |                  |                                       |                  |             |
| Reaction definition                  | None          |                  |                  |                                       |                  |             |
| Rate Linearity %                     | —             |                  |                  |                                       |                  |             |
| Calibration                          |               |                  |                  |                                       |                  |             |
| Method                               | Linear        |                  |                  |                                       |                  |             |
| Calibrators and Volumes              |               |                  |                  |                                       |                  |             |
| Calibrator Set                       | Standard      |                  |                  | Calibrator Level                      | Concentration    | Volume      |
|                                      |               |                  |                  | Blank                                 | 0.0              | 4           |
|                                      |               |                  |                  | Std. 1                                | (*)              | 4           |
|                                      |               |                  |                  | Std. 2                                | --               | --          |
|                                      |               |                  |                  | Std. 3                                | --               | --          |
|                                      |               |                  |                  | Std. 4                                | --               | --          |
|                                      |               |                  |                  | Std. 5                                | --               | --          |
| Replicates                           | 3             | (Range 1-3)      |                  |                                       |                  |             |
| Intervals                            |               |                  |                  | Validity Checks                       |                  |             |
| 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 |               |                  |                  |                                       |                  |             |