

# IRON

Spectrophotometric  
FERROZINE

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: **HITACHI 704**

### Reagent preparation

Reagent 1: use the Reagent A.  
Reagent 2: use the Reagent B.

### Instrument settings

|  |                   |
|--|-------------------|
| TEST   | IRON              |
| ASSAY CODE                                     | 2 POINT - 15 - 32 |
| SAMPLE VOLUME (µL)                             | 20                |
| R1 VOLUME (µL)                                 | 320 - 20 - 0      |
| R2 VOLUME (µL)                                 | 80 - 20 - 0       |
| WAVELENGTH (nm)                                | 600 - 570         |
| CALIB. METHOD                                  | 1 - 0 - 0         |
| STD 1 CONC. POS.                               | 0 - 1             |
| STD 2 CONC. POS.                               | (*) - 2           |
| STD 3 CONC. POS.                               | 0 - 0             |
| STD 4 CONC. POS.                               | 0 - 0             |
| STD 5 CONC. POS.                               | 0 - 0             |
| STD 6 CONC. POS.                               | 0 - 0             |
| UNIT   | µg/dL             |
| SD LIMIT                                       | 0.1               |
| DUPLICATE LIMIT                                | 200               |
| SENSITIVITY LIMIT                              | 0                 |
| ABS. LIMIT                                     | 0 - 0             |
| PROZONE LIMIT                                  | 0 - 0             |
| EXPECTED VALUE                                 | 55 - 155          |
| INSTRUMENT FACTOR                              | 1.0               |
| (*) Input the assigned value of the calibrator |                   |

Vers. 0609