

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.

Instruments: COBAS MIRA / MIRA Plus

Reagent preparation

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

Instrument settings

GENERAL			CALCULATION		
MEASUREMENT MODE	ABSORB		SAMPLE LIMIT	NO	SPACE
REACTION MODE	R- S-SR1	3	REACTION DIRECTION	INCREASE	1
CALIBRATION MODE	CALIBRATOR	2	CHECK	ON	1
REAGENT BLANK	REAG/DIL	2	CONVERSION FACTOR		1
CLEANER	BEFORE	2	OFFSET		0
WAVELENGTH	550 nm	4	TEST RANGE LOW		0
DECIMAL POSITION		0 (µg/dL)	HIGH		1000 µg/dL
UNIT		13 (µg/dL)	NORM RANGE LOW		50 µg/dL
			HIGH		175 µg/dL
ANALYSIS			NUMBER OF STEPS		1
POST DIL. FACTOR	NO	SPACE	CALCULATION STEP A	ENDPOINT	1
CONC. FACTOR	NO	SPACE	READING FIRST		2
SAMPLE CYCLE		1	LAST		13
VOLUME		60 µL			
DILUTION NAME	H2O	0	CALIBRATION		
VOLUME		30 µL	CALIB. INTERVAL	ON REQUEST	3
REAGENT CYCLE		1	TIME	NO	SPACE
VOLUME		240 µL	BLANK RANGE LOW	- 0.030 ΔA	
START R1 CYCLE		3	HIGH	0.030 ΔA	
VOLUME		60 µL	REAGENT RANGE LOW	NO	SPACE
DILUTION NAME	H2O	0	HIGH	NO	SPACE
VOLUME		20 µL			
STANDARD POS.		(*)			
STD-1		(**)			
(*) Enter the position of the CAL rack					
(**) Enter the value of the calibrator					