

# 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: SPECTRUM CCX

### Reagent preparation

Reagent 1: use the Reagent A.

Reagent 2: use the Reagent B.

### Instrument settings

TEST DEFINITION									
ENTRY NAME	IRON			SAMPLE (μL) NORMAL			12.5		
REPORT NAME	IRON FERROZINE			LOW					
RATIO REF.	FE			HIGH					
TEST NUMBER	***			UNITS PRIM			μg/dL		
TEST TYPE	AUX			SEC. UNIT FACTOR					
MATH	1 PT CAL FACTOR END PT			PRINT DIGITS			0		
REACTION DIRECTION	UP			INST MUL 1.000 INT 0.000					
REAGENTS	2			NORMAL (C)			55 TO 155		
TEMPERATURE	37			SAMPLE DISP. DELAY (sec.)			0		
TEST BLANK TYPE	REAGENT 1 BLANK								
LINEAR MODEL CALIBRATION DEFINITION									
TEST NAME	IRON			TEST TYPE			AUX		
CAL MODE	CAL ON CMD			MATH MODEL			LIN REG END PT		
INTCPT TOL (C)	-1000.00 TO 1000.00			CAL INTERVAL (hr.)			720		
% TOL OF CAL FACTOR	15			REF CAL FACTOR			***		
CAL LEVEL	0			% TOL OF CAL			10		
CALIBRATOR	LEVEL (C)			REPLICATES					
WATER	0.00			2					
RF1	***			2					
TEST PARAMETER FILE: REAGENT DEFINITION									
REAGENT NAME			REAGENT NUMBER			1 FOR TEST IRON			
IRON R1			210			LINEARITY [C]			
REAGENT VOL (μL) NORM			0.000			0.00 TO 1000			
LOW			210			INITIAL Ad			
HIGH			120			ABS LIMIT (Ad)			
FIRST READ TIME (sec)			120			2.40			
LAST READ TIME (sec)			1			REAGENT BLANK			
NUMBER OF READS			60			BEFORE WASH CYCLES			
READ INTERVAL (sec)			180			AFTER WASH CYCLES			
AUX REAG DISP (sec)			0			MIX TIME (sec)			
RSM			0			COOLING			
PRIM SEC USE IN CONST			E.F. LOW HIGH			CONSTANT INTERCEPT			
564 / 660 A 1.00			0.00 0.00 0.00			SPECTRAL CORRECTION			
						0.00			
TEST PARAMETER FILE: REAGENT DEFINITION									
REAGENT NAME			REAGENT NUMBER			1 FOR TEST IRON			
IRON R2			38			LINEARITY [C]			
REAGENT VOL (μL) NORM			0.000			0.00 TO 1000			
LOW			38			INITIAL Ad			
HIGH			180			ABS LIMIT (Ad)			
FIRST READ TIME (sec)			180			3.00			
LAST READ TIME (sec)			1			REAGENT BLANK			
NUMBER OF READS			60			BEFORE WASH CYCLES			
READ INTERVAL (sec)			0			AFTER WASH CYCLES			
AUX REAG DISP (sec)			0			MIX TIME (sec)			
RSM			0			COOLING			
PRIM SEC USE IN CONST			E.F. LOW HIGH			CONSTANT INTERCEPT			
564 / 660 A 1.00			0.00 0.00 0.00			SPECTRAL CORRECTION			
						0.00			