

# 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: MONARCH

### Reagent preparation

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

### Instrument settings

<b>Identification parameters</b>		<b>Data acquisition parameters</b>	
Test code	...	Analysis type	MIX RUN
Test name	IRON FERROZINE	Temperature	37°C
Test mnemonic	IRON	Delay time	185 sec
Optical mode	ABSORBANCE	Interval time	30 sec
Response algorithm	FINAL-INITIAL	N° of data pts.	2
Result algorithm	LINEAR	Filter 1	620 nm
<b>Loading parameters</b>		Filter 2	550 nm
Loading type	LOAD ANALYZE	Monochromator 1	620 nm
Reagent blank	ON	Monochromator 2	550 nm
Reference type	DILUENT	Compatibility	1
Calibrator type	MULTI-COMPONENT (...)	<b>Data integrity parameters</b>	
Sample volume	20 µL	Integrity tests	SLOPE NORMAL RANGE MINIMUM ABS/INT MAXIMUM ABS/INT
Sample diluent	0 µL	<b>Integrity parameters</b>	
Reagent diluent	10 µL	Slope	POSITIVE
1 <sup>st</sup> reagent (R1)	160 µL	Lower limit	55 µg/dL
2 <sup>nd</sup> reagent (R2)	40 µL	Upper limit	155 µg/dL
1 <sup>st</sup> reagent bar code	...	Minimum Abs/Int	0.0
2 <sup>nd</sup> reagent bar code	...	Maximum Abs/Int	0.2
<b>Data fit parameters</b>		... To be introduced by the operator	
Calibrator	...		
Correction mode	NONE		
Units	µg/dL		
N° of dec. Places	2		