

# 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: **SATURNO 300 (=HUMASTAR 300, ANAQUIM 300)**

## Reagent preparation

Reagent 1: Use the Reagent A.

Reagent 2: Use the Reagent B.

## Instrument settings

<b>GENERAL</b>			<b>FILTERS</b>	
Test Name	Iron-Ferrozine		First	578
Meas. Unit	µg/dL		Second	0
Decimal	2		Bichromatic Factor	1
<b>REFERENCE</b>			<b>REACTION</b>	
	<b>Min</b>	<b>Max</b>	Type	End Point
Boy	65	175	Read Time	1
Girl	50	170	<b>CHECK ABSORBANCE (mAbs)</b>	
Age Limit	...		R. Blank (min)	-100
Male	65	175	R. Blank (max)	50
Female	50	170	Substr. Dept Lim	0
Age Limit	...		<b>CALCULATION</b>	
Male	65	175	Factor	Multistandard
Female	50	170		-
<b>LINEARITY LIMIT</b>				*
	1000 µg/dL		Std. 1	-
<b>QUALITY CONTROL</b>			Std. 2	-
Repeat control every (hrs.)	...		Std. 3	-
<b>SAMPLE</b>			Std. 4	-
Voluma (µL)	40		Std. 5	-
Predil.ratio			Reag. Bias Subst	No
<b>REAGENTS</b>			<b>LINEAR CORRELATION</b>	
Features	<b>First</b>	<b>Second</b>	Intercept	0
Volumes (µL)	Differential - VARIABLE		Slope	1
Incub. (sec.)	240	60		
Cooling	62	312		
Stabil. (hrs)	Yes	0		
Lot Number	99	99		
Bottles type	...	...		
ID First	1	-		
ID Second	...	...		
	...	...		
	...	...		

(...) Values entered by the operator

(\*) Enter the value of the calibrator