

# 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: **PRESTIGE 24i(=LABMAX 240, ZAPHYR 400)**

## Reagent preparation

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

## Instrument settings

Item Name	IRON		CALIBRATION		LINEAR	
DATA INFORMATION			Type			
Units	µg/dL		STANDARD			
Decimal	0		#1	*	#4	
			#2		#5	
ANALYSIS			#3		#6	
Type	END					
Main W. Length 1	570		NORMAL RANGE			
Main W. Length 2	600					
Method	FERROZINE				MALE	FEMALE
			LOW	HIGH	LOW	HIGH
CORR.			SERUM	65	175	50 170
			URINE			
Y =	Slope	Inter				
	1 X	+ 0				
ASPIRATION			DATA PROCESS		ABSORB LIMIT	
KIND	Double		READ	START	END	
	VOLUME		MAIN	52	54	Low 0.0
SAMPLE	30 µL		SUB	28	30	High 2.5
REAGENT 1 VOL	200 µL		FACTOR		ENDPOINT LIMIT 2.5	
REAGENT 2 VOL	50 µL		Blank correction ---		LINEAR CHECK (%) 0	
R1 Blank	Water Blank		Third Mix. OFF			
Auto Rerun SW	On		Auto Rerun Condition (Absorbance)			
			Absorbance Range		Lower On	
Auto Rerun Range(Result)	On				Higher On	
	Lower	Higher	Prozone Range		Off	
Serum	0	800				
Urine	---	---				

\* assigned standard value