

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: HITACHI 917

Reagent preparation

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

Instrument settings

ANALYZE		CALIB	
Assay/Time/Point	Two Point End / 10 / 16 - 34	Calibration Type	Linear
Wavelength (Second./Main)	600 / 570	Points/Span Point	2 / 2
Sample Volume (Normal)	10 / 0 / 0	Weight	0
(Decreased)	5 / 0 / 0	SD Limit	0.1
(Increased)	20 / 0 / 0	Duplicate Limit % / Abs	10 / 50
Diluent/Expiration	951 / 99	Sensitivity Limit	-9999 / 9999
Reagent (R1) T1	200 / 0 / ... / 30	Abs. S1 Limit	-32000 / 32000
(R2) T2	0 / 0 / ... / 0	OTHERS	
(R3) T3	50 / 0 / ... / 30	<i>Calib. Code</i>	<i>Concentration</i>
(R4) T4	0 / 0 / ... / 0	(1) ...	0
Abs. Limit	32000 – Increase	(2) ...	*
Prozone Limit	-32000 – Lower	(3)	
Washing Solution	Detergent 1	(4)	
RANGE		(5)	
Application N° / Units	... / $\mu\text{g/dL}$	(6)	
Name	Iron	<i>Sample volume</i>	<i>Diluted</i>
Control Interval	1000	(1) 10	0
Instrument Factor	a = 1.0 b = 0.0	(2) 10	0
Technical Limit	0 - 1000	(3)	
Repetition Limit	0 - 1000	(4)	
References Values Male	70 - 155	(5)	
Female	55 - 140	(6)	
Default		* assigned value	
... Data entered by the operator			