

# 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: ADVIA 1650

### Reagent preparation

Reagent 1: Use the Reagent A.

Reagent 2: Use the Reagent B.

### Instrument settings

ANALYTICAL PARAMETERS		Reanalysis conditions		Multi-Standards setting			
<u>Analytical Conditions</u>		Serum reac. smp. vol. (μ)	0.00	Formula	Linear correction	Axis conv.	No convert.
R1 volume	80.00	Serum dilut. method (μ)	None	Points		2	
R2 volume	0.00	Serum reac. smp. vol. (d)	0.00		FV	MEAN	
R3 volume	20.00	Serum dilut. method (d)	None	BLK	0.00	...	
R4 volume	0.00			1	*	...	
R1 diluent vol.	0.00	<u>Standards setting</u>		* assigned value			
R2 diluent vol.	0.00	BLK H	9.9999				
R3 diluent vol.	0.00	BLK L	-9.9999				
R4 diluent vol.	0.00	STD H	9.9999				
Serum reac. s. vol.	20.0	STD L	-9.9999				
Serum dil. method	Standard	FV	*				
Reaction time	10 min.	Abnml. (serum) H	99999				
Reagent 1 stir.	Weak	Abnml. (serum) L	-9999				
Reagent 2 stir.	Weak						
Reagent 3 stir.	Weak	<u>Calculation method setting</u>		<u>Reaction rate method</u>			
Reagent 4 stir.	Weak	M-DET. P. l	0	Prozone		Cycle	3
		M-DET. P. m	96	Prozone form.	None	Factor	3.0
		M-DET. P. n	98	Prozone limit	9.999	Reac. Type	Inc.
<u>Sub-analy. conditions</u>		S-DET. P. p	44	Prozone judge	Upper limit	E2 corre.	Not do
Name	IRON	S-DET. P. r	46	Judge limit	9.999	Blank (μ)	9.9999
Digits	2			M-DET. P. m.	0	Blank (d)	-9.999
M-wave. L.	571 nm	Check D.P.I.	0	M-DET. P. n.	0	Sample (μ)	9.9999
S-wave. L.		Limit value	0.003	S-DET. P. p.	0	Sample (d)	-9.999
Analy. mthd.	EPA	Variance	10.0	S-DET. P. r.	0		
Calc. mthd	STD					<u>Endpoint method</u>	
Qualit. judg.	Not do					Re. Absorb (μ)	9.9999
						Re. Absorb (d)	-9.999