

APPLICATION PROCEDURE

KONELAB

IRON

Ferene

Diagnostic reagent for quantitative in vitro determination of iron in human serum and plasma on photometric systems

REF	Cont.			
D01103	5 x 100 ml	4 x 100 ml 1 x 100 ml	Reagent 1 Reagent 2	3333 tests/kit
DK0732*	5 x 50 ml	4 x 50 ml 1 x 50 ml	Reagent 1 Reagent 2	1666 tests/kit

* Konelab System Pack

Additionally offered:

D95305	1 x 3 ml	Iron Standard	
D98485	5 x 3 ml	Calibrator	Diacal Auto
D98481	12 x 5 ml	Control normal	Diacon N
D98482	12 x 5 ml	Control abnormal	Diacon P

1. Reagent preparation

The reagents are ready to use.

2. Instrument settings:

Temperature: 37 °C

Test Definition:			
Test type	Photometric		
Full name	Iron		
On line name	Iron		
Result unit	µg/dl		
Number of decimals	1		
Acceptance	AUTOMATIC		
Dilution 1 +	0		
Sample type	Serum/plasma		
Test in use	YES		
Test Limit	Low	High	Units
	0	1000	µg/dl
Initial Absorbance	0.0	2.0	A
Dilution limit	*	500	µg/dl
Secondary dil. 1 +	0	5	
Correction factor	1.00		
Correction bias	0.00		
Calibration parameters			
Calibration type	LINEAR		
Repeat time (d)	0		
Point/Calibrator	2		
Acceptance	MANUAL		
Type of calibrator	SEPARATE		
Calibrator id.	WATER/CAL		

Concentration	#		
Bias corr.in use	NO		
Abs. Error (mA)	*		
Rel. Error (%)	*		
Response limit	Min	Max	
	*	*	
Test flow			
Blank	YES	Antigen excess	NO
Reagent 1	IRON1		
Reagent volume (µl)	120		
Disp with	EXTRA	Volume(µl)	20
Sample Volume (µl)	6		
Disp with	WATER	Volume(µl)	10
Dilution with	WATER		
Incubation Time (sec)	300		
Measurement	End point		
Blank	Resp. min (A)	Resp. max (A)	
	*	*	
Reagent 2	IRON2		
Reagent volume (µl)	30		
Disp with	EXTRA	Volume(µl)	10
Incubation Time (sec)	300		
Measurement	End point		
	λ 1 (nm)	λ 2 (nm)	
	600	700	
Meas. type	Fixed timing		

#) Data entry by the user

**) Factor must be checked by a calibration serum

NOTE: These suggested instructions and instrument parameters are to be used in conjunction with the reagent package insert and the instrument operation manual. Refer to these documents for complete instructions before performing the tests.

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