

CREATINE KINASE

Continuous-spectrophotometric
IFCC

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: MONARCH

Reagent preparation

Working Reagent: Empty the contents of a Reagent B bottle into a Reagent A bottle. Swirl gently.
Stable for 15 days at 2-8 °C.

Instrument settings

Identification parameters		Data acquisition parameters	
Test code	...	Analysis type	MIX
Test name	CREATINE KINASE		RUN
Test mnemonic	CK	Temperature	37°C
Optical mode	ABSORBANCE	Early time	5 sec
Response algorithm	SLOPE	Delay time	180 sec
Result algorithm	FACTOR	Interval time	20 sec
Loading parameters		N° of data pts.	7
Loading type	LOAD	Filter 1	340 nm
	ANALYZE	Filter 2	340 nm
Reagent blank	OFF	Monochromator 1	340 nm
Reference type	DILUENT	Monochromator 2	340 nm
Sample volume	7 µL	Compatibility	8
Sample diluent	0 µL	Data integrity parameters	
Reagent diluent	0 µL	Integrity tests	SLOPE
1 st reagent (R1)	175 µL		SUBSTRATE DEPLETION
2 nd reagent (R2)	0 µL		STANDARD ERROR
1 st reagent bar code	...		NORMAL RANGE
2 nd reagent bar code	...	Integrity parameters	
Data fit parameters		Slope	POSITIVE
Factor	7220	Max Delta Abs/Int	0.83
Units	U/L	Maximum SE	0.01
N° of dec. Places	0	Lower limit	24 U/L
		Upper limit	195 U/L
		... To be introduced by the operator	