

# CREATININE

Kinetic-spectrophotometric  
ALKALINE PICRATE

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: Mix equal volumes of Reagent A and Reagent B. Mix thoroughly.  
Stable for 2 months at 2-8 °C.

### Instrument settings

<b>Identification parameters</b>		<b>Data acquisition parameters</b>	
Test code	...	Analysis type	MIX RUN
Test name	CREATININE	Temperature	37°C
Test mnemonic	CREA	Delay time	30 sec
Optical mode	ABSORBANCE	Interval time	95 sec
Response algorithm	FINAL-INITIAL	N° of data pts.	2
Result algorithm	LINEAR	Filter 1	520 nm
<b>Loading parameters</b>		Filter 2	500 nm
Loading type	LOAD ANALYZE	Monochromator 1	520 nm
Reagent blank	OFF	Monochromator 2	500 nm
Reference type	DILUENT	Compatibility	8
Calibrator type	MULTI-COMPONENT (...)	<b>Data integrity parameters</b>	
Sample volume	9 µL	Integrity tests	SLOPE NORMAL RANGE MINIMUM ABS/INT MAXIMUM ABS/INT
Sample diluent	21 µL	<b>Integrity parameters</b>	
Reagent diluent	10 µL	Slope	POSITIVE
1 <sup>st</sup> reagent (R1)	150 µL	Lower limit	0.50 mg/dL
2 <sup>nd</sup> reagent (R2)	0 µL	Upper limit	1.10 mg/dL
1 <sup>st</sup> reagent bar code	...	Minimum abs/int	0.0
2 <sup>nd</sup> reagent bar code	...	Maximum abs/int	0.1
<b>Data fit parameters</b>		... To be introduced by the operator	
Calibrator	...		
Correction mode	NONE		
Units	Mg/dL		
N° of dec. Places	2		