

## Creatinine Kit Enzymatic Method

### Intended Use:

Creatinine is the catabolic product of creatinine phosphate which is used by the skeletal muscle. The daily production depends on muscular mass and it is excreted out of the body entirely by the kidneys. Elevated levels are found in renal dysfunction, reduced renal blood flow (shock, dehydration, congestive heart failure) diabetes acromegaly. Decreased levels are found in muscular dystrophy. The enzymatic creatinine kit involves a series of coupled enzymatic reactions to determine creatinine in serum and urine.

### Creatinine Kit components:

<b>L1</b>	Enzyme Reagent 1
<b>L2</b>	Enzyme Reagent 2
<b>Calibrator</b>	Calibrator (for 2ml)
<b>Other Accessories</b>	Package Insert

### System Parameters

<b>Reaction</b>	: Fixed Time Kinetic	<b>Sample Vol.</b>	: 10 $\mu$ l
<b>Wavelength</b>	: 546 nm	<b>Reagent 1 Vol.</b>	: 450 $\mu$ l
<b>Zero Setting</b>	: Distilled Water	<b>Reagent 2 Vol.</b>	: 150 $\mu$ l
<b>Incub. Temp</b>	: 37°C	<b>Standard</b>	: See Calibrator
<b>Incub. Time</b>	: 300 sec.	<b>Factor</b>	: ---
<b>Delay Time</b>	: 40 sec.	<b>React. Slope</b>	: Increasing
<b>Read Time</b>	: 120 sec.	<b>Linearity</b>	: 50 mg/dl
<b>No. of read.</b>	: 2	<b>Units</b>	: mg/dL
<b>Interval</b>	: 80 sec.		

Storage / Stability	Temperature	Duration
Unopened kit	15-30°C	24 Months
Opened Kit (Unmixed)	15-30°C	24 Months
In use stability	2-8°C	1 Day

Available Pack Sizes		
40 ml	160 ml	240 ml