

## Urea Kit Diacetyl Monoxime (DAM) Method

**Intended Use:** \_\_\_\_\_

Urea is the end product of protein metabolism. It is synthesized in the liver from the ammonia produced by the catabolism of amino acids. It is transported by blood to the kidneys from where it is excreted. Increased levels are found in renal diseases, urinary obstructions, shock, congestive heart failure and burns. Decreased levels are found in liver failure and pregnancy. Urea kit uses DAM method to determine urea in serum, plasma & urine.

**Urea Kit components:**

<b>L1</b>	Urea Reagent
<b>L2</b>	Acid Reagent
<b>L3</b>	DAM Reagent
<b>S</b>	Urea Standard (40 mg/dl)
<b>Other Accessories</b>	Package Insert

### System Parameters

<b>Reaction</b>	: End Point	<b>Interval</b>	: ---
<b>Wavelength</b>	: 520 nm	<b>Sample Vol.</b>	: 0.01 ml
<b>Zero Setting</b>	: Reagent Blank	<b>Reagent Vol.</b>	: 3.00 ml
<b>Incub. Temp</b>	: 100°C	<b>Standard</b>	: 40 mg/dl
<b>Incub. Time</b>	: 10 min.	<b>Factor</b>	: ---
<b>Delay Time</b>	: ---	<b>React. Slope</b>	: Increasing
<b>Read Time</b>	: ---	<b>Linearity</b>	: 70 mg/dl
<b>No. of read</b>	: ---	<b>Units</b>	: mg/dl

Storage / Stability	Temperature	Duration
Unopened kit	15-30°C	24 Months
Opened kit	15-30°C	24 Months

Available Pack Sizes	
25 Tests	50 Tests