BIOBOON BIOTECH LLC

UREA (UV) TEST KIT

UV–GLDH Method

Clinical Chemistry Reagent Kit



- Quantitative determination of urea in serum/plasma
- UV Enzymatic (GLDH) Method
- For *In Vitro* Diagnostic Use

AUTOMATED PARAMETERS

Wavelength	340 nm
Measurement	Against distilled water
Reaction	Fixed time kinetic
Cuvette	1 cm light path
Reaction temperature	37°C
Reaction direction	Decreasing
Sample volume	10 µL
Working reagent volume	1000 µL
Delay/Lag time	30 seconds
Interval time	60 seconds
Number of readings	01
Blank absorbance limit	> 0.8
Low normal at 37°C	15 mg/dL
High normal at 37°C	50 mg/dL
Linearity at 37°C	300 mg/dL

MANUAL ASSAY PROCEDURE

Pipette into Test Tubes.

	STD	SAMPLE
Standard	10 µL	–
Sample	–	10 µL
Working reagent	1000 µL	1000 µL

Mix well, read initial absorbance after 30 seconds of sample (A1s) and standard (A1std) and start timer simultaneously. Read again, after 60 seconds.

SAMPLE DILUTION

1. This method is linear up to a concentration of 300 mg/dL.
2. Dilute samples above this concentration 1:1 with 0.9% saline.
3. Repeat assay. Multiply the result by 2.

Limit of detection: 3 mg/dL.

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