BIOBOON BIOTECH LLC



Ammonia Test Kit
UV Kinetic

- **Accurate & Reliable**
- **Rapid (Kinetic Assay)**
- **High Sensitivity (LOD: 0.4 µmol/L)**
- **Wide Linear Range (up to 1500 µmol/L)**



TEST PARAMETERS

Wavelength	340 nm
Cuvette	1 cm
Reaction Temperature	37°C
Reaction Type	Kinetic
Reaction Direction	Decreasing
Sample Volume	100 µL
Reagent Volume	1000 µL
Delay Time	60 Sec.
Read Time	60 Sec.
Linearity	1500 µmol/L
Blank Absorbance Limit	< 0.30
Units	µmol/L

MANUAL ASSAY PROCEDURE

Pipette into Test Tubes.

	BLANK	STD	SAMPLE
Sample	-	-	100 µL
Standard	-	100 µL	-
Reagent	1000 µL	1000 µL	1000 µL

Mix well and read the initial absorbance (A_1) for the standard and Test after exactly 60 seconds. Read another absorbance (A_2) of standard and Test exactly 180 seconds later.

SAMPLE DILUTIONS

1. This method is linear upto a concentration of 1500 µmol/L.
2. Dilute samples above this concentration 1:1 with DI Water.
3. Repeat assay. Multiply the result by 2.

LINEARITY & SENSITIVITY

LINEARITY
This method is linear upto a concentration of 1500 µmol/L.

LIMIT OF DETECTION
0.4 µmol/L.

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