

## Ammonia Test Kit

### UV Kinetic

## INTERPRETATION OF RESULTS

AUTOMATED 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	-	-	100µl
Standard	-	100µl	-
Reagent	1000µl	1000µl	1000µl

Mix well and read the initial absorbance (A) for the standard and 1 Test after exactly 60 seconds. Read another absorbance (A) of 2 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.

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### LINEARITY

This method is linear upto a concentration of 1500  $\mu\text{mol/l}$   
Dilute samples above this concentration 1:1 with DI Water  
and Repeat assay. Multiply the result by 2.

**Limit of detection: 0.4  $\mu\text{mol/l}$**

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