

Alkaline Phosphatase Test Kit (Kinetic UV, Optimized IFCC method)

INTERPRETATION OF RESULTS

AUTOMATED PARAMETERS	
Wavelength	405 nm
Cuvette	1 cm light path
Reaction Temperature	37°C
Measurement	Against distilled water
Reaction Type	Kinetic test
Reaction Direction	Increasing
Sample Volume	20 µl
Reagent Volume	1000 µl
Delay/Lag/time	60 Secs
Interval time	30 Secs
No. of Readings	04
Blank Absorbance limit	< 0.85
Factor	2720
Low Normal at 37°C	25 IU/L
High Normal at 37°C	147 IU/L
Linearity at 37°C	2000 IU/L

MANUAL ASSAY PROCEDURE

Pipette into Test Tubes.

Sample	20 µl
Reagent	1000 µl

Mix well and Incubate at 37°C for 60 secs. Measure absorbance, increase every 30 sec for 2 minutes and determine the A/min.

SAMPLE DILUTIONS:

1. **This method is linear upto a concentration of 2000 IU/L.**
2. **If the concentration exceeds this value, the sample should be diluted 1:1 with 0.9% saline solution.**
3. **Repeat assay. Multiply the result by 2.**

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LINEARITY

**The method is linear to a concentration of 2000 IU/L.
If the concentration exceeds this value, the sample
should be diluted 1:1 with 0.9% saline solution and
reassayed. Multiply the result by 2.**

**Limit of detection: The limit of detection for Alkaline Phosphatase
is 2U/L.**

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