BIOBOON BIOTECH LLC

Glucose Test Kit

Enzymatic Colorimetric Test

- Accurate & Reliable
- Enzymatic Colorimetric Method
- Wide Linear Range (up to 400 mg/dL)
- Low Detection Limit (2 mg/dL)



TEST PARAMETERS

Wavelength	505 nm (490–550 nm)
Reaction Type	End Point
Cuvette	1 cm light path
Reaction Temperature	37°C
Reaction Type	Increasing
Measurement	Against Reagent Blank
Sample Volume	10 µL
Reagent Volume	1000 µL
Incubation	05 minutes
Blank Absorbance Limit	< 0.300
Low Normal at 37°C	60 mg/dL (3.33 mmol/L)
High Normal at 37°C	110 mg/dL (6.1 mmol/L)
Linearity at 37°C	400 mg/dL (22.2 mmol/L)

MANUAL ASSAY PROCEDURE

Pipette into Test Tubes.

	BLANK	STD	SAMPLE
Sample	-	-	10 µL
Standard	-	10 µL	-
Reagent	1000 µL	1000 µL	1000 µL

Mix & Incubate for 05 min. at 37°C or 15 min. at R.T. Measure absorbance of Sample (A^T) and Standard (A^S) against Reagent Blank at 505 nm. The colour is stable for 30 min. at R.T.

SAMPLE DILUTIONS

1. This method is linear upto a concentration of 400 mg/dL.
2. Dilute samples above this concentration 1:1 with 0.9% saline.
3. Repeat assay. Multiply the result by 2.

LINEARITY & SENSITIVITY

LINEARITY
The method is linear upto a concentration of 400 mg/dL.

LIMIT OF DETECTION
The limit of detection is 2 mg/dL.

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