BIOBOON BIOTECH LLC

Magnesium Test Kit

Photometric Test Using Xylidyl Blue

- Photometric Method
- End Point Reaction
- Room Temperature
- For Laboratory Use



AUTOMATED PARAMETERS

Wavelength	505 nm (490–550 nm)
Reaction Type	End Point
Cuvette	1 cm light path
Reaction Temperature	Room temperature
Measurement	Against Reagent Blank
Reaction Direction	Increasing
Sample Volume	10 µL
Reagent Volume	1000 µL
Incubation	5 minutes
Blank Absorbance Limit	<1.20
Low Normal	1.6 mg/dL (0.65 mmol/L)
High Normal	2.6 mg/dL (1.05 mmol/L)
Linearity	5.0 mg/dL (2.08 mmol/L)

MANUAL ASSAY PROCEDURE

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

Mix & incubate for 5 min at room temperature. Measure absorbance of Sample (AT) and Standard (AS) against Reagent Blank at 505 nm. The color is stable for 30 min at room temperature.

SAMPLE DILUTIONS

Linear up to 5.0 **mg/dL** (2.08 mmol/L). Dilute samples above this concentration 1:1 with 0.9% saline. Repeat assay and multiply the result by 2.

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