BIOBOON BIOTECH LLC

Copper Test Kit Colorimetric

- Accurate & Reliable
- Colorimetric Method
- Wide Linear Range (up to 400 µg/dL)
- Low Detection Limit (0.1 µg/dL)



TEST PARAMETERS

Wavelength	578 nm
Reaction Type	End Point
Cuvette	1 cm light path
Reaction Temperature	37°C
Reaction Direction	Increasing
Measurement	Against Reagent Blank
Sample Volume	50 µL
Reagent Volume	1000 µL
Incubation	10 minutes
Blank Absorbance Limit	< 0.500
Low Normal	80 µg/dL
High Normal	170 µg/dL
Linearity	400 µg/dL

MANUAL ASSAY PROCEDURE

Pipette into Test Tubes.

	BLANK	STD	SAMPLE
Sample	-	-	50 µL
Standard	-	50 µL	-
Reagent	1000 µL	1000 µL	1000 µL

Mix & Incubate for 10 min. at 37°C. Measure absorbance of Sample (A_T) and Standard (A_S) against Reagent Blank at 546 nm.

SAMPLE DILUTIONS

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

LINEARITY & SENSITIVITY

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

LIMIT OF DETECTION
The limit of detection for Copper is 0.1 µg/dL.

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