

Copper Test Kit Colorimetric

INTERPRETATION OF RESULTS

AUTOMATED PARAMETERS	
Wavelength	578 nm
Reaction Type	End Point
Cuvette	1 cm light path
Reaction Temperature	37°C
Reaction Type	Increasing
Measurement	Against Reagent Blank
Sample Volume	50µl
Reagent Volume	1000µl
Incubation	10 minutes
Blank Absorbance Limit	< 0.500
Low Normal	80 µg/dl
High Normal	170 µg/dl
Linearity	500 µg/dl

MANUAL ASSAY PROCEDURE

Pipette into Test Tubes.

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

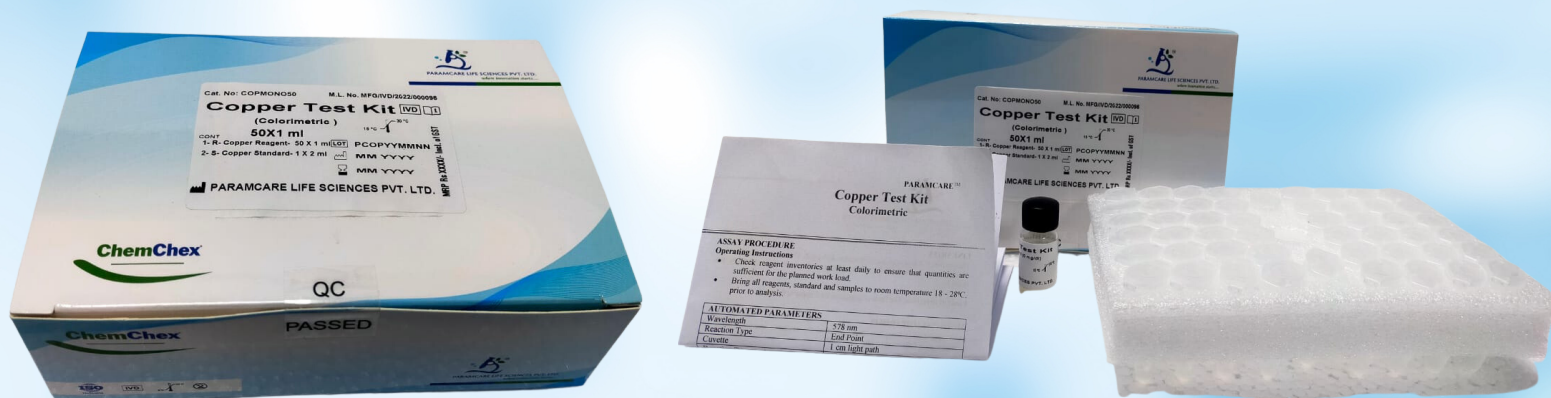
Mix & Incubate for 10 min. at 37°C
Measure absorbance of Sample (AT) and
Standard (AS) against Reagent Blank at
546 nm.

SAMPLE DILUTIONS:

1. This method is linear upto a concentration of 500 µg/dl.
2. Dilute samples above this concentration 1:1 with 0.9% saline.
3. Repeat assay. Multiply the result by 2.

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LINEARITY

The method is linear upto a concentration 400 $\mu\text{g}/\text{dl}$.
Dilute samples above this concentration 1:1 with 0.9% saline solution and repeat assay. Multiply the result by 2.

Limit of detection: The limit of detection for Copper is 0.1 $\mu\text{g}/\text{dl}$.

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