BIOBOON BIOTECH LLC

Total Protein Test Kit

Colorimetric Test – Biuret Method



For quantitative determination of total protein.

AUTOMATED PARAMETERS

Wavelength	540 nm
Reaction temperature	Room Temperature
Reaction type	End Point
Cuvette	1 cm light path
Measurement	Against Reagent Blank
Sample volume	20 µL
Reagent volume	1000 µL
Incubation	10 minutes
Low normal	6.6 g/dL
High normal	8.3 g/dL
Linearity	10 g/dL

MANUAL ASSAY PROCEDURE

	Blank	Standard	Test
Reagent I	1000 µL	1000 µL	1000 µL
Standard	—	20 µL	—
Sample	—	—	20 µL

Mix well; incubate for 10 minutes at 20–25°C. Measure absorbance of sample (Ac) and standard (As) against reagent blank.

SAMPLE DILUTION

- This method is linear up to 10 g/dL.
- Dilute samples above this concentration 1:1 with 0.9% saline.
- Repeat assay. Multiply the result by 2.

Limit of detection: 0.1 g/dL.

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