



# Teco Diagnostics

## Intended Use

For the quantitative determination of total protein concentration in human serum.

## Principle

Protein in serum forms a blue colored complex when reacted with cupric ions in an alkaline solution. The intensity of the violet color is proportional to the amount of protein present when compared to a solution with known protein concentration.

### Test:

Total Protein (Biuret) Reagent Set(T528 – 480)

### Number of Tests:

480 tests  
4 x 120 mL

### Format:

Liquid

### Method:

Colorimetric

### Testing Procedure:

Manual

### Storage Temperature:

Reagent: 15-30°C  
Standard: 2-8°C

### Wavelength:

540 nm

### Expected Values:

6.2 – 8.5 g/dL

It is recommended that each laboratory establish its own range of expected values.

### Linearity:

1.0 – 15.0 g/dL

### Reagent Deterioration:

The reagent should be discarded if there is turbidity, or the presence of a black precipitate, which indicates reagent deterioration. The reagent should be a clear, pale blue solution.

### Limitations of Procedure:

The Biuret procedure is not sensitive at low ranges (< 1 g/dL).  
Not for use with urine or spinal fluid specimens

## CONTACT US:

### TECO DIAGNOSTICS

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