Teco Diagnostics

Intended Use

For the quantitative determination of total protein concentration in human serum or plasma on TC Matrix analyzers.

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.

CONTACT US:
TECO DIAGNOSTICS
1268 N. Lakeview Avenue
Anaheim, CA 92807
Tel: 714-463-1111
Fax: 714-463-1169

Test:
Total Protein (Biuret) Reagent Set for TC-Matrix(T528 – 1300TM)

Number of Tests:
1300 tests

Format:
Liquid

Method:
Colorimetric, Endpoint

Testing Procedure:
Automated

Storage Temperature:
15-30°C

Wavelength:
546 nm

Expected Values:
6.2 – 8.5 g/dL

Linearity:
3.0-12.0 g/dL

Limitations of Procedure:
The anticoagulants Potassium Oxalate, Sodium Fluoride and Sodium Citrate were found to be incompatible with this method.
Hemoglobin levels up to 400 mg/dL, Triglyceride levels up to 1000mg/dL and Bilirubin levels up to 30 mg/dL were found to exhibit negligible interference.