Serum Protein Concentration and Urine Specific Gravity Desktop Refractometer

One versatile unit for the serum protein concentration, urine specific gravity, and refractive index.

No-touch, hands-free operations.

How to Measure

1. Open the daylight plate and apply a sample liquid on the prism.
2. Close the daylight plate and look through the eyepiece.
3. Read the boundary line where the blue and white colors meet.

Specifications

- Measurement Range:
  - Urine S.G. 1.000 to 1.050
  - Serum protein 0.0 to 12.0g/100ml
  - Refractive Index 1.3330 to 1.3600

- Minimum Scale:
  - Urine S.G. 0.001
  - Serum protein 0.2g/100ml
  - Refractive Index 0.0005

- Size & Weight: 10x17.3x21.5cm, 910g

About Scale

This instrument has been designed to use the refractive index method for measuring total protein in serum. The protein scale has been prepared after extensive clinical analyses under taken by Dr. Matsumura, Professor of Biochemistry at the Tokyo Women’s Medical College. His scale is based on the results obtained from over 1400 cases. The scale is the most reliable one at present available. As the same as serum protein, there is a correlation between refractive index by a refractometer and urine specific gravity by a hydrometer. Urine specific gravity can be taken from refractive index. Measurement range of this unit is 1.000 to 1.050.

HACCP GMP GLP

ATAGO products comply with HACCP, GMP, and GLP standards.