

# Protein, Total

**CPT Code:** 84155

**Order Code:** C110

**ABN Requirement:** No

**Synonyms:** TP; TProt

**Specimen:** Serum

**Volume:** 0.5 mL

**Minimum Volume:** 0.2 mL

**Container:** Gel-barrier tube (SST, Tiger Top)

## Collection:

1. Collect and label sample according to standard protocols.
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.
3. Allow blood to clot 30 minutes.
4. Centrifuge for 10 minutes.

**Transport:** Store serum at 2°C to 8°C after collection and ship the same day per packaging instructions provided with the Cleveland HeartLab shipping box.

## Stability:

**Ambient (15-25°C):** not acceptable

**Refrigerated (2-8°C):** 1 month

**Frozen (-20°C):** 6 months

**Deep Frozen (-70°C):** 6 months

**Causes of Rejection:** Specimens other than serum; improper labeling; samples not stored properly; samples older than stability limits.

**Methodology:** Colorimetric Assay

**Turn Around Time:** 1 to 3 days

## Reference Range:

Age	g/dL
All Ages	6.1-8.0

**Intended Use:** A total protein test may be used for the identification of individuals with liver or kidney disease, or to diagnose nutritional problems.

**Limitations:** Dextran in concentrations of >30 mg/mL interferes with the assay. In very rare cases gammopathy may cause unreliable results.

*The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.*