

Albumin, Serum

Test ID: 4040

CPT: 82040

Clinical Significance:

Albumin is a carbohydrate-free protein, which constitutes 55% to 65% of total plasma protein. It maintains oncotic plasma pressure, is involved in the transport and storage of a wide variety of ligands, and is a source of endogenous amino acids. Albumin binds and solubilizes various compounds, including bilirubin, calcium, long-chain fatty acids, toxic heavy metal ions, and numerous pharmaceuticals.

Hypoalbuminemia is caused by several factors: impaired synthesis due either to liver disease (primary) or due to diminished protein intake (secondary), increased catabolism as a result of tissue damage and inflammation, malabsorption of amino acids, and increased renal excretion (eg, nephrotic syndrome).

Profile Components:



Labtech Diagnostics

Container:

Serum Separator Tube (SST®)

Transport Temperature:

Room Temperature

Specimen:

Serum

Specimen Stability:

Room temperature: 14 days
Refrigerated: 14 days
Frozen: 14 days

Reject Criteria:

Anticoagulants other than heparin

Days Performed:

Mon-Sat

Collection Instructions:

Separate serum or plasma from cells within 45 minutes of collection.