
Lab Dept: Chemistry

Test Name: ALBUMIN

General Information

Lab Order Codes: ALB

Synonyms: N/A

CPT Codes: 82040 – Albumin; serum

Test Includes: Albumin concentration reported in g/dL.

Logistics

Test Indications: Useful for the evaluation of nutritional status and renal disease. Albumin is the most abundant plasma protein accounting for approximately one half of the plasma protein mass. Albumin is a significant component of most extravascular body fluids. The primary function of albumin is generally considered to be the maintenance of colloidal osmotic pressure in both the vascular and extravascular spaces. Albumin is a negative acute phase reactant.

Lab Testing Sections: Chemistry

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 4 hours

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Green top (Li Heparin) tube **preferred**
Alternate tube: Red, marbled or gold top tube

Draw Volume: 0.6 mL blood

Processed Volume: 0.2 mL serum/plasma

Collection:	Routine blood collection. Mix tubes containing anticoagulant by gentle inversion.
Special Processing:	Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into plastic sample cup. Store at refrigerated temperatures.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimen

Interpretive

Reference Range:	Age	Range (g/dL)
	0 – 1 month:	2.5 – 4.0
	1 – 3 months:	2.2 – 4.2
	3 months – 1 year:	3.0 – 4.6
	>1 year:	3.5 – 5.0

Critical Values: N/A

Limitations: Albumin may be lower for patients in a supine position.

Methodology: Bromocresol Purple

References: Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition

ALB Flex® reagent cartridge insert sheet, PN 781013.001-US, Siemens Healthcare Diagnostics, Date of Issue: 2013-08-20, Rev D

Clinical Significance, Dade Behring Inc., Glasgow Business Community, Mailbox 531, P.O. Box 6101, Newark, Delaware 19714

Biorad Multiquel Chemistry Control Product Insert, Bio-Rad Laboratories, Irvine, CA 92618

Updates: 5/1/2015: Reference range update
2/8/2016: Alternate tube update.