



# Laboratory Service Manual

**Lab Dept:** Chemistry

**Test Name:** ALBUMIN

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## ***General Information***

**Lab Order Codes:** ALB

**Synonyms:** N/A

**CPT Codes:** 82040 – Albumin; serum

**Test Includes:** Albumin concentration reported in g/dL.

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## ***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.

**Lab Testing Sections:** Chemistry

### **Phone Numbers:**

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 4 hours

**Special Instructions:** N/A

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## ***Specimen***

**Specimen Type:** Blood

**Container:** Green top (Li Heparin) tube **preferred**  
Alternate tube: Red top (plain, no gel) tube

**Draw Volume:** 0.6 mL blood

**Processed Volume:** 0.2 mL serum/plasma



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

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## *Interpretive*

### **Reference Range:**

<b>Age</b>	<b>Range (g/dL)</b>
0 – 1 month:	2.5 – 4.0
1 – 3 months:	2.2 – 4.2
3 months – 1 year:	3.0 – 4.6
1 – 2 years:	3.8 – 5.1
>2 years:	3.5 – 4.9

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Bromocresol Purple

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

ALB Flex® reagent cartridge insert sheet, PN 717013.001-US Date of Issue: 2008-02-12, Rev K

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

Biorad Liquichek Unassayed Chemistry Control Product Insert (10/2005) Bio-Rad Laboratories, Irvine, CA 92618