### General Information

<table>
<thead>
<tr>
<th>Lab Order Codes:</th>
<th>ALB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms:</td>
<td>N/A</td>
</tr>
<tr>
<td>CPT Codes:</td>
<td>82040 – Albumin; serum</td>
</tr>
<tr>
<td>Test Includes:</td>
<td>Albumin concentration reported in g/dL.</td>
</tr>
</tbody>
</table>

### 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, marble or gold tope 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

<table>
<thead>
<tr>
<th>Reference Range:</th>
<th>Age</th>
<th>Range (g/dL)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0 – 1 month:</td>
<td>2.5 – 4.0</td>
</tr>
<tr>
<td></td>
<td>1 – 3 months:</td>
<td>2.2 – 4.2</td>
</tr>
<tr>
<td></td>
<td>3 months – 1 year:</td>
<td>3.0 – 4.6</td>
</tr>
<tr>
<td></td>
<td>&gt;1 year:</td>
<td>3.5 – 5.0</td>
</tr>
</tbody>
</table>

Critical Values: N/A

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

Methodology: Bromocresol Purple


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

Updates: 5/1/2015: Reference range update