### General Information

**Lab Order Codes:** CL  
**Synonyms:** Chloride, blood; Cl  
**CPT Codes:** 82435 – Chloride, blood  
**Test Includes:** Chloride concentration measured in mEq/L. Chloride is also included in the following panels: Electrolyte Panel, Basic Metabolic Panel, Comprehensive Metabolic Panel, Renal Panel

### Logistics

**Test Indications:** Evaluation of electrolyte balance, acid base balance, ketosis and hydration. Chloride usually fluctuates directly with sodium concentrations. Predominantly an extracellular anion, chloride, along with sodium, is responsible for maintaining plasma osmotic homeostasis.  
**Lab Testing Sections:** Chemistry  
**Phone Numbers:** MIN Lab: 612-813-6280  
STP Lab: 651-220-6550  
**Test Availability:** Daily, 24 hours  
**Turnaround Time:** 30 minutes  
**Special Instructions:** N/A

### Specimen

**Specimen Type:** Blood  
**Container:**  
**Preferred:** Green top (Li Heparin) tube  
**Alternate:** Red, marble or gold top tube or Green (NaHep) tube  
**Draw Volume:** 0.6 mL blood  
**Processed Volume:** 0.2 mL plasma/serum  
**Collection:** Routine collection
Special Processing: Lab Staff: Centrifuge specimen, remove plasma/serum aliquot and transfer into plastic sample cup. Analyze sample immediately or store at refrigerated temperatures for up to 1 week.

Patient Preparation: None

Sample Rejection: Unlabeled or mislabeled specimen

Interpretive

<table>
<thead>
<tr>
<th>Reference Range</th>
<th>Reference ranges by Method:</th>
<th>(Units mEq/L = mmol/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Method Abbott</td>
<td>Premature newborns, first 48 hours of life</td>
<td>95 – 110 mEq/L</td>
</tr>
<tr>
<td>Method Abbott</td>
<td>0 – 30 days</td>
<td>98 – 113 mEq/L</td>
</tr>
<tr>
<td>Method Abbott</td>
<td>&gt;30 days</td>
<td>98 – 107 mEq/L</td>
</tr>
</tbody>
</table>

Critical Values: N/A

Limitations: N/A

Methodology: ABBOTT: Ion Selective electrode – Integrated Chip Technology


Architect ICT Sample Diluent (ICTD5) Pkg Insert, Abbott Laboratories Diagnostics Division, Abbott Park, IL 60064, May 2016

Alinity ICT Sample Diluent (ICTD5) Pkg Insert, Abbott Laboratories Diagnostic Division, Abbott Park, IL 60064, January 2018


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

Updates: 8/19/2009: Turnaround time previously listed as 2 hours.
7/21/2015: Vista update
2/8/2016: Update alt tube types
10/18/2019: New backup instrumentation and related reference ranges
11/9/2020: Retired method VISTA, updated for Alinity, update containers