**Lab Dept:** Serology  
**Test Name:** CTL FUNCTION

### General Information

**Lab Order Codes:** CTLY

**Synonyms:** Cytotoxic T Lymphocyte Function

**CPT Codes:** 86352 - Cellular function assay involving stimulation and detection of biomarker

**Test Includes:** Interpretive report on CTL Function

### Logistics

**Test Indications:** Aid in confirming recurrent viral infection and severe immune deficiency.

**Lab Testing Sections:** Serology – Sendouts

**Referred to:** Cincinnati Children’s Hospital Medical Center

**Phone Numbers:**  
MIN Lab: 612-813-6280  
STP Lab: 651-220-6550

**Test Availability:** **Restricted Draw Times:** To avoid specimen rejection due to limited specimen stability of CTL function testing, collect sample in the afternoon Sunday – Thursday.

**Turnaround Time:** 14 days, test set up Monday – Friday.

**Special Instructions:** Obtain special Green top (Na Heparin) tube from the laboratory prior to collection. Specimen must be processed at the reference laboratory within 24 hours of collection.

### Specimen

**Specimen Type:** Whole blood

**Container:** Green top (Na Heparin) tube

**Draw Volume:** 10 mL (Minimum: 5 mL) blood

**Processed Volume:** Same as Draw Volume
**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: **Do Not** centrifuge, maintain specimen at room temperature in original collection container. Ship by overnight courier to arrive within 24 hours of draw time. **Do Not** refrigerate or freeze. Forward promptly.

**Patient Preparation:** None

**Sample Rejection:** Specimen older than 24 hours, frozen or refrigerated specimen, specimen collected in the wrong tube, mislabeled or unlabeled specimens

**Interpretive**

**Reference Range:** ≥6.2 LU, Interpretive report

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Chromium Release Assay

**References:** Cincinnati Children’s Hospital Medical Web Page [www.cincinnatichildrens.org](http://www.cincinnatichildrens.org) August 2015