Lab Dept: Chemistry

Test Name: AMYLASE

**General Information**

Lab Order Codes: AMYL

Synonyms: N/A

CPT Codes: 82150 – Amylase

Test Includes: Amylase concentration reported in U/L.

**Logistics**

Test Indications: Amylase is a hydrolytic enzyme which catalyzes the conversion of starch to the disaccharide, maltose. Assays of amylase activity in combination with lipase activity in serum/plasma are useful for the diagnosis of pancreatic disease and investigation of pancreatic function.

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 top tube

Draw Volume: 0.6 mL blood

Processed Volume: 0.2 mL serum/plasma

Collection: Routine venipuncture. Mix tubes containing anticoagulant by gentle inversion.
**Special Processing:**
Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into a plastic sample cup. Analyze sample immediately or store at refrigerated temperatures.

**Patient Preparation:**
None

**Sample Rejection:**
Mislabeled or unlabeled specimens

### Interpretive

**Reference Range:**
20 – 110 U/L

**Critical Values:**
N/A

**Limitations:**
N/A

**Methodology:**
Enzymatic 37°C

**References:**
- Siemens Dimension Vista® AMY Flex™ reagent cartridge Instructions for Unse, Siemens Healthcare Diagnostics, PN 781017.001 REV E, Issue date 2013-07-19
- Siemens Dimension Vista® Enzyme 1 Calibrator Instructions for Use, April 16, 2014
- Siemens Dimension System/Vista® Enzyme Diluent Instructions for Use, Siemens Healthcare Diagnostics, 2008
- Biorad Multiqual Chemistry Control Product Insert, Bio-Rad Laboratories, Irvine, CA 92618

**Updates:**
- 2/17/2005: Critical value previously listed as >200 U/L.
- 12/22/2011: Turnaround time updated, previously listed as 4 hours.
- 9/10/2014: Vista update
- 2/8/2016: Update alt tubes