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**Lab Dept:** Chemistry

**Test Name:** AMYLASE

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***General Information***

**Lab Order Codes:** AMYL

**Synonyms:** N/A

**CPT Codes:** 82150 – Amylase

**Test Includes:** Amylase concentration reported in U/L.

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***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

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***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.

<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into a plastic sample cup. Analyze sample immediately or store at refrigerated temperatures.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

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***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 Use, 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

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

Tietz Textbook of Clinical Chemistry (1999) CA Burtis, ER Ashwood, 3<sup>rd</sup> Edition, WB Saunders, Philadelphia, PA

Biorad Multiquel 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