



## **Test Update 798**

**Posted Date** 03/02/2022  
**Effective Date** 03/24/2022  
**Update Type** [New Tests](#)  
**CPT Code** 82150 x2

### **NEW TEST**

#### **Amylase, Isoenzymes, Serum**

Order Code: AMISO  
Fee Code: pending  
CPT Code: 82150 x2  
Reference Laboratory: Mayo AMISO

Mayo Clinic Laboratories will begin performing Amylase, Isoenzymes, Serum effective March 24, 2022. This test panel includes total amylase, pancreatic amylase, and salivary amylase, and is used for ruling out salivary amylase as the cause of elevated serum amylase.

Collection Instructions: Collect specimen in an SST tube (preferred) or red top tube. Centrifuge and aliquot 1 mL (minimum 0.5 mL) of serum into a plastic vial within 2 hours of collection. Freeze (preferred) or refrigerate.

#### Reference Range:

AMYLASE, TOTAL 0-30 days: < or =6 U/L; 31-182 days: 1-17 U/L; 183-365 days: 6-44 U/L; 1-3 years: 8-79 U/L; 4-17 years: 21-110 U/L; > or =18 years: 28-100 U/L.

AMYLASE, PANCREATIC: 0-<24 months: < or =20 U/L; 2-<18 years: 9-35 U/L; > or =18 years: 13-53 U/L.

AMYLASE, SALIVARY: 0-<18 YEARS: not established; > or =18 years: <87 U/L.

Amylase results may be elevated in patients with macroamylase. Macroamylase refers to a high-molecular weight form of amylase that is present in a patient's serum. Different causes of macroamylase have been suggested, the most common being amylase complexed with an immunoglobulin. The large size of the macroamylase complex prevents its excretion in the urine. By utilizing serum lipase and urinary amylase, the presence or absence of macroamylase may be determined.

Total amylase measurement should be used for diagnosis and management of pancreatitis and evaluation of pancreatic function. Amylase isoenzyme determination is not necessary for these situations.

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