

## Amylase, Isoenzymes, Serum

**Test ID:** AMISO

**Useful for:**

Ruling out salivary amylase as the cause of elevated serum amylase.

**Profile Tests:**

Test ID	Reporting Name	Available Separately	Always Performed
AMYSE	Amylase, Total, S	Yes (order AMS)	Yes
AMYP A	Amylase, Pancreatic, S	No	Yes
AMYS A	Amylase, Salivary, S	No	Yes

**Methods:**

AMYSE, AMYP A: Colorimetric Rate Reaction

AMYS A: Calculation

**Reference Values:**

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

## Specimen Requirements:

<b>Container/Tube:</b>	Plastic vial
<b>Preferred:</b>	Serum gel
<b>Acceptable:</b>	Red top
<b>Specimen Volume:</b>	1 mL
<b>Collection Instructions:</b>	1. Serum gel tubes should be centrifuged within 2 hours of collection.  2. Red-top tubes should be centrifuged and the serum aliquoted into a plastic vial within 2 hours of collection.
<b>Minimum Volume:</b>	0.5 mL

## Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Frozen (preferred)	30 days
	Ambient	7 days
	Refrigerated	30 days

## Cautions:

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.

## CPT Code:

82150 x 2

**Day(s) Performed:** Monday through Sunday      **Report Available:** 1 to 3 days

## Note:

The following referral test code will become obsolete.

Test Name	Test ID	Referral Lab Code	Referral Lab
Amylase, Isoenzymes	FAMYS	0020804	ARUP Laboratories

## Questions

Contact Nancy Benson, Laboratory Technologist Resource Coordinator at 800-533-1710.