
Lab Dept: Urine/Stool

Test Name: PANCREATIC ELASTASE, STOOL

General Information

Lab Order Codes: PE1S

Synonyms: Elastase Stool, EI 1; Elastase 1; Fecal Elastase

CPT Codes: 82656 – Elastase, pancreatic (EL-1), fecal, qualitative or semi-quantitative

Test Includes: Pancreatic stool elastase concentration measured in mcg/g stool.

Logistics

Test Indications: Diagnosis or exclusion of exocrine pancreatic insufficiency in case of unexplained diarrhea, constipation, steatorrhea, flatulence, weight loss, upper abdominal pain, and food intolerances.

Monitoring of exocrine pancreatic function in cystic fibrosis, diabetes mellitus or chronic pancreatitis.

Lab Testing Sections: Urine/Stool - Sendouts

Referred to: Mayo Medical Laboratories (Mayo Test: ELASF)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 3 – 5 days

Special Instructions: Testing cannot be added on to a previously collected specimen.

Specimen

Specimen Type: Stool, formed.
Note: Separate specimens must be submitted when multiple tests are ordered.

Container: Stool container with screw-top lid

Draw Volume: 5 g (Minimum: 1 g) undiluted feces. Do not add fixative or preservative.

Processed Volume: Same as Draw Volume

Collection: Routine stool collection

Special Processing: Lab Staff: Stool samples should be frozen. Ship at frozen temperatures. Forward promptly.

Patient Preparation: None

Sample Rejection: Specimens other than stool, mislabeled or unlabeled specimens

Interpretive

Reference Range:	Age: All ages	Range: (mcg/g)
	Normal:	
Moderate to slight pancreatic insufficiency:		100 to 200
Severe pancreatic insufficiency:		<100

Critical Values: N/A

Limitations: N/A

Methodology: Immunoassay (IA)

References: [Mayo Medical Laboratories](#) August 2020

Updates:

10/16/2006: Test moved as a forward from Mayo to Inter Science. Note change in reference range, and CPT.

11/22/2010: Mayo moved test from a forward to Genova Diagnostics to Joli Diagnostics.
CPT update, previously listed as 82656. Updated reference range and units.

5/21/2013: CPT update, previously listed as 83516

3/3/2014: Update reference range for Normal (previously 200 to >500)

6/19/2018: Updated units and specimen processing

8/4/2020: Moved from forward to Joli to internal test at Mayo.