**Lab Dept:** Urine/Stool  
**Test Name:** PANCREATIC ELASTASE, STOOL

### General Information

**Lab Order Codes:** PE1S  
**Synonyms:** Elastase Stool, El 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

<table>
<thead>
<tr>
<th>Reference Range</th>
<th>Age: All ages</th>
<th>Range: (mcg/g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td></td>
<td>&gt;200</td>
</tr>
<tr>
<td>Moderate to slight pancreatic insufficiency</td>
<td></td>
<td>100 to 200</td>
</tr>
<tr>
<td>Severe pancreatic insufficiency</td>
<td></td>
<td>&lt;100</td>
</tr>
</tbody>
</table>

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.