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**Lab Dept:**                      **Anatomic Pathology**

**Test Name:**                    **LACTASE ON GI BIOPSIES**

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***General Information***

**Lab Order Codes:**            LTAS

**Synonyms:**                    N/A

**CPT Codes:**                    82657 – Enzyme activity in blood cells, cultured cells, or tissue, not elsewhere specified; nonradioactive substrate, each specimen

**Test Includes:**                Lactase level only reported in uM/min/gram protein.

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***Logistics***

**Test Indications:**            N/A

**Lab Testing Section:**        Anatomic Pathology - Sendouts

**Referred to:**                    Mayo Medical Laboratories, MML Test 91305/FDASC (forward to Joli Diagnostics, Inc., Joli test name: “Disaccharidase Determination (for Lactase only)”.

**Phone Numbers:**            MIN Lab: 612-813-6711

STP Lab: 651-220-6560

**Test Availability:**            Daily, 24 hours

**Turnaround Time:**           1 week

**Special Instructions:**        N/A

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***Specimen***

**Specimen Type:**                Small Bowel biopsy

**Container:**                      Small, tightly capped, plastic tube

**Draw Volume:**                 5 mg small bowel biopsy specimen

**Processed Volume:**          Same Draw Volume

**Collection:**                    Collect fresh tissue. Do not place tissue on gauze or filter paper, nor should any saline, support or embedding material be added.

**Special Processing:** Lab Staff: Sample should be kept frozen and stored at -20 C to -70 C. Ship frozen. Forward promptly.

**Patient Preparation:** Physician preference

**Sample Rejection:** Thawed specimen; mislabeled or unlabeled specimen

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***Interpretive***

**Reference Range:**

Lactase:	24.5 +/- 8.0 uM/min/gram protein; Abnormal <15.0
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**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Spectrophotometry

**References:** [Mayo Medical Laboratories](#) August 2013  
[Joli Diagnostics](#) August 2013

**Update:** 2/15/2011: CPT update, previously listed as 89130.  
8/14/2013: Method previously listed as Nucleic Acid Amplification Technology