Lab Dept: Anatomic Pathology

Test Name: DISACCHARIDASE ANALYSIS ON GI BIOPSIES

General Information

Lab Order Codes: DSAC

Synonyms: N/A

CPT Codes: 82657 x3 – Enzyme activity in blood cells, cultured cells, or tissue, not elsewhere specified; nonradioactive substrate, each specimen

Test Includes: Dissacharidase (includes lactase, sucrase, maltase & palatinase) levels reported in uM/min/gram protein.

Logistics

Test Indications: N/A

Lab Testing Section: Anatomic Pathology - Sendouts

Referred to: Mayo Medical Laboratories (MML Test: FDSAC forward to Joli Diagnostics, Inc.)

Phone Numbers: MIN Lab: 612-813-6711

STP Lab: 651-220-6560

Test Availability: Daily, 24 hours

Turnaround Time: 3 - 11 days

Special Instructions: N/A

Specimen

Specimen Type: Intestinal biopsy

Container: Small, tightly capped, plastic tube

Draw Volume: 5 mg of intestinal 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

## Interpretive

<table>
<thead>
<tr>
<th>Reference Range</th>
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<tbody>
<tr>
<td>Lactase:</td>
<td>24.5 +/- 8.0 uM/min/gram protein; Abnormal &lt;15.0</td>
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<tr>
<td>Sucrose:</td>
<td>54.4 +/- 25.4 uM/min/gram protein; Abnormal &lt;25.0</td>
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<tr>
<td>Maltase:</td>
<td>160.8 +/- 62.8 uM/min/gram protein; Abnormal &lt;100.0</td>
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<tr>
<td>Palatinase:</td>
<td>11.1 +/- 6.5 uM/min/gram protein; Abnormal &lt;5.0</td>
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Critical Values: N/A

Limitations: N/A

Methodology: Spectrophotometry

References:

- Joli Diagnostic March 2018
  (716) 639-0443  Fax: (716) 639-0471

- Mayo Medical Laboratories March 2018
  (800) 533-1710