<table>
<thead>
<tr>
<th><strong>Lab Dept:</strong></th>
<th>Chemistry</th>
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<tbody>
<tr>
<td><strong>Test Name:</strong></td>
<td>TRYPTASE, SERUM</td>
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**General Information**

- **Lab Order Codes:** TRYPT
- **Synonyms:** Mast Cell Tryptase; Soft-TRYPT
- **CPT Codes:** 83520 – Immunoassay for analyte other than infectious agent Ab or infectious agent Ag; Quantitative NOS.
- **Test Includes:** Tryptase concentration measured ng/mL.

**Logistics**

- **Test Indications:** Useful for assessing mast cell activation, which may occur as a result of anaphylaxis, or allergen challenge, or in patients with systemic mastocytosis or mast cell activation syndrome.
- **Lab Testing Sections:** Chemistry - Sendouts
- **Referred to:** Mayo Medical Laboratories (MML Test: TRYPT)
- **Phone Numbers:** MIN Lab: 612-813-6280
  - STP Lab: 651-220-6550
- **Test Availability:** Daily, 24 hours
- **Turnaround Time:** 1-5 days, test performed Monday – Friday
- **Special Instructions:** N/A

**Specimen**

- **Specimen Type:** Blood
- **Container:** SST (Gold, marble or red) tube
- **Draw Volume:** 1.5 mL (Minimum: 0.6 mL) blood
- **Processed Volume:** 0.5 mL (Minimum: 0.2 mL) serum
- **Collection:** Routine venipuncture, invert gently to mix.
### Special Processing:
Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at frozen temperatures. Forward promptly.

### Patient Preparation:
None

### Sample Rejection:
Specimen other serum; mislabeled or unlabeled specimens

#### Interpretive

<table>
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<tr>
<th>Reference Range:</th>
<th>&lt;11.5 ng/mL</th>
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<tr>
<td>Critical Values:</td>
<td>N/A</td>
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#### Limitations:
Tryptase may be undetectable or not elevated in some patients with acute mast cell activation if specimens are drawn >12 hours after an anaphylactic episode.

#### Methodology:
Fluorescence Enzyme Immunoassay (FEIA)

#### References:
[Mayo Medical Laboratories](https://mayo.medlab.com) February 2018

#### Updates:
2/1/2018: Collection tube update