
Lab Dept: Chemistry

Test Name: TRYPTASE, SERUM

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

Reference Range: <11.5 ng/mL

Critical Values: N/A

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](#) February 2018

Updates: 2/1/2018: Collection tube update