
Lab Dept: Chemistry

Test Name: **LYSOZYME (MURAMIDASE)**

General Information

Lab Order Codes: LYSO

Synonyms: Muramidase

CPT Codes: 85549 – Muramidase

Test Includes: Lysozyme level reported in mcg/mL.

Logistics

Test Indications: Useful as a screening test for ocular sardoidosis; confirming marked increases in the granulocyte or monocyte pools as in granulocytic or monocytic leukemias; myeloproliferative disorders and malignant histiocytosis. Following the course of therapy in cases of chronic granulocytic or chronic monocytic leukemias.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Mayo Clinical Laboratories (Mayo test: MURA)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2-3 days, test set up Monday - Friday

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Lavender (EDTA) top

Draw Volume: 6 mL (Minimum: 3 mL) blood

Processed Volume: 2 mL (Minimum: 1 mL) plasma

Collection: Routine blood collection

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| Special Processing: | Lab Staff: Centrifuge specimen. Remove and place plasma aliquot into a plastic screw-capped vial within 2 hours of collection. Store and ship frozen. Forward promptly. |
| Patient Preparation: | None |
| Sample Rejection: | Mislabeled or unlabeled specimens; improper specimen handling |

Interpretive

Reference Range: ≥12 months: 2.6 – 6.0 mcg/mL

Critical Values: N/A

Limitations: Increased levels may be seen in nonmalignant disorders including sarcoidosis, infections, Crohn's disease, kidney transplant rejection, and other renal disorders.

Methodology: Turbinometric

References: [Mayo Clinic Laboratories](#) March 2021