
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 Clinic Laboratories (Mayo test: MURA)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2 – 5 days

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Lavender (EDTA) tube

Draw Volume: 6 mL (Minimum: 2 mL) blood

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

Collection: Routine blood collection

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:	> or =12 months: 2.6-6.0 mcg/mL Reference values have not been established for patients who are less than 12 months of age. Note: Levels above 200 mcg/mL may be seen in acute nonlymphocytic leukemia (M2, M4, M5) or chronic granulocytic leukemias.
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:	Turbidimetric
References:	Mayo Clinic Laboratories February 2022
Updates:	1/20/2022: Temporarily moved to ARUP by Mayo due to reagent supply issues at Mayo. Note updated collection requirements, ref range, method. 2/24/2022: Mayo internal test reinstated. Note updated collection requirements, ref range, method.