ARUP LABORATORIES | *A nonprofit enterprise of the University of Utah and its Department of Pathology*

Effective Date: March 4, 2024

## TEST CHANGE

Lysozyme, Serum

2012039, LYSO SER

| | |
|---|---|
| Specimen Requirements: | |
| Patient Preparation: | |
| Collect: | Serum separator tube (SST). |
| Specimen Preparation: | Separate serum from cells ASAP or within 2 hours of collection. Transfer 1 mL serum to an ARUP Standard Transport Tube. (Min: 0.4 mL) |
| Transport Temperature: | Refrigerated. |
| Unacceptable Conditions: | Hemolyzed, lipemic, icteric, or contaminated specimens. |
| Remarks: | |
| Stability: | After separation from cells: Ambient: Unacceptable; Refrigerated: 5 days; Frozen: 1 month. |
| Methodology: | Quantitative Enzyme-Linked Immunosorbent Assay (ELISA) |
| Performed: | Sun, Tue, Thu |
| Reported: | 1-5 days |
| Note: | Serum lysozyme levels may be elevated in acute myelomonocytic leukemia (FAB-M4), chronic myelomonocytic leukemia (CMML), and chronic myelocytic leukemia (CML). Increased serum lysozyme activity is present in tuberculosis, sarcoidosis, megaloblastic anemias, acute bacterial infections, ulcerative colitis, regional enteritis, and Crohn disease. Elevated serum lysozyme occurs during severe renal insufficiency, renal transplant rejection, urinary tract infections, pyelonephritis, glomerulonephritis, and nephrosis. |
| CPT Codes: | 85549 |
| New York DOH Approval Status: | This test is New York DOH approved. |

Interpretive Data:

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

| Component | Interpretation |
|---|---|
| Lysozyme, Serum | 2.75 ug/mL or less ..... Negative 2.76 - 4.50 ug/mL ..... Equivocal 4.51 ug/mL or greater ..... Positive |

Reference Interval:

| Test Number | Components | Reference Interval |
|---|---|---|
| Lysozyme, Serum | Less than or equal to 4.50 ug~~2.75 µg~~/mL | |

Inserted Cells

Inserted Cells