

TEST CHANGE

Lactate Dehydrogenase, Isoenzymes

0020413, LDISO

Specimen Requirements:

Patient Preparation:

Collect: Serum ~~separator tube~~ ~~Separator Tube~~ (SST) or ~~plain red~~ ~~Plain Red~~.

Specimen Preparation: Do not refrigerate or freeze. Allow specimen to clot completely at room temperature. Separate from cells ASAP or within 2 hours of collection. Transfer 1 mL serum to an ARUP ~~standard~~ ~~transport tube~~ ~~Standard Transport Tube~~. (Min: 0.6 mL)

Transport Temperature: Room temperature.

Unacceptable Conditions: Hemolyzed specimens.

Remarks:

Stability: After separation of cells: Ambient: 1 week; Refrigerated: Unacceptable; Frozen: Unacceptable

Methodology: Quantitative Enzymatic Assay/Electrophoresis

Performed: Sun-Sat

Reported: 1-~~3~~2 days

Note: LD-1 and LD-2 are elevated in hemolyzed specimens and serum which has not been separated from cells. LD-3, LD-4, and LD-5 are labile at low temperatures, and are erroneously low in specimens that have been refrigerated or frozen.

CPT Codes: 83625; 83615

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

Reference Interval:

- LD-1: 14-27%
- LD-2: 29-42%
- LD-3: 18-30%
- LD-4: 8-15%
- LD-5: 6-23%

Lactate Dehydrogenase, Total:

0-1 month: 200-465 U/L

2-17 months: 200-450 U/L

18 months-10 years: 165-430 U/L

11-16 years: 127-287 U/L

17 years and older: 105-230 U/L
