

LACTATE
DEHYDROGENASE
PLASMA

Orderable - LD

Turn Around Time: 4 hours

STAT: 1 hour

Alternate Name(s):

LDH
LD

Specimen:

Adult	Pediatric
4.5 mL Green top Vacutainer tube	0-2 years: 0.5 mL Green top Microtainer 2-10 years: 2 mL Green top tube

Collection Information:

Collect blood aseptically in a Vacutainer tube.

The minimum volume required for pediatric samples is 0.2 mL.

Reference Ranges:

Children	
Age	Range
0-20 days	<=600 U/L
21 days-15 years:	<=300 U/L

Adult	
Male (>=16 years):	<=225 U/L
Female (>=16 years):	<=214 U/L

Interpretive Comments:

Increases occur due to necrosis of liver, skeletal muscle, red blood cells, bone marrow and malignancies. Very non-specific.



Laboratory:
Core Lab



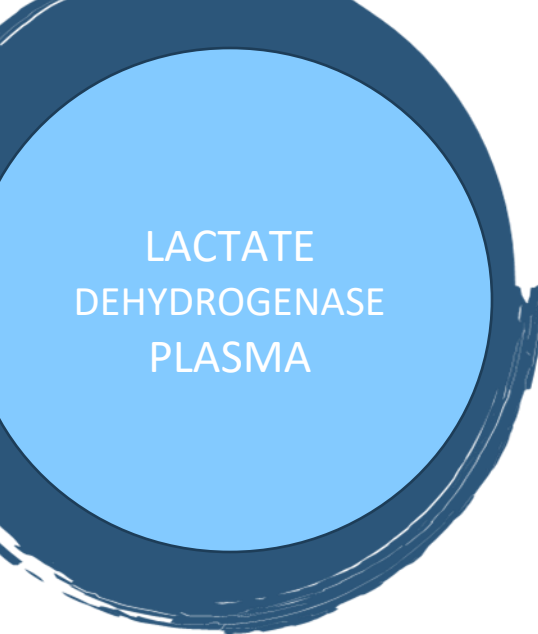
Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Enzymatic rate



Test Schedule:
As required



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In healthy children, levels may be elevated up to 800 IU/L.

Comments:

Hemolysis may cause falsely elevated results.

Storage and Shipment:

Lactate Dehydrogenase is stable at room temperature and is not stable refrigerated. Centrifugation of specimens should occur in a timely manner after collection and should not exceed 2 hours from collection.

Referring locations should send plasma for LD testing in labelled aliquot tubes stored at room temperature.

For patients receiving Rasburicase treatment, send whole blood samples on ice immediately to the core lab for testing. It has been internally validated that LD is stable in whole blood on ice for 1-hour post collection. Processing samples on ice is not required if the patient has not received Rasburicase treatment within the past 72 hours or 3 days.