

LACTATE, PLASMA

Orderable - LACP

Turn Around Time: 4 hours

STAT: 1 hour

Specimen:

Adult	Pediatric
6 mL Grey top Vacutainer tube	2-10 years: 2 mL Grey top tube

Collection Information:

Sample should be drawn with continuous venous flow, as venous stasis may cause lactate elevation.

Avoid using tourniquet if possible. Lactate in whole blood is stable for 6 hours when collected in grey top tube (sodium fluoride/potassium oxalate additive). Ice is not required.

For blood gas lactate testing, please review the ['Blood Gas Plus'](#) testing requirements.

Centrifuge and separate plasma within 15 minutes of blood collection and analyze plasma as soon as possible. **Specimens that have been collected in grey top tubes and have been spun may be analyzed up to 2 hours post collection; however this is not recommended. For optimum specimen integrity; specimen should be spun and the plasma taken off the cells within 15 minutes of collection.

For pediatric samples, a minimum of 0.3-0.5 mL must be collected, and the sample sent to the lab ASAP.

Reference Ranges:

0.50-2.20 mmol/L

Interpretive Comments:

Increased in sustained hypoxia and several metabolic disorders. Lactic acidosis is a frequent cause of increased anion gap.



Laboratory:
Core Lab



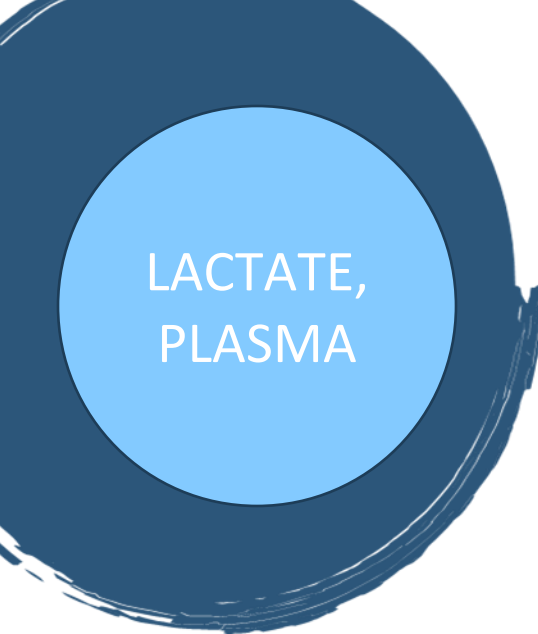
Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Lactate to Pyruvate
Endpoint conversion



Test Schedule:
As required



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Special Processing:

Centrifuge and separate plasma within 15 minutes of blood collection.

Comments:

Hemolyzed, lipemic and icteric samples may cause interference with results.