Orderable - LACP

Turnaround Time: 4 hours  
STAT: 1 hour

**Specimen:**

<table>
<thead>
<tr>
<th></th>
<th>Adult</th>
<th>Pediatric</th>
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<tbody>
<tr>
<td></td>
<td>2 mL Grey top Vacutainer tube</td>
<td>2-10 years: 2 mL Grey top tube</td>
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</tbody>
</table>

**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.
**Special Processing:**
Centrifuge and separate plasma within 15 minutes of blood collection.

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