

Sepsis Order Set POC Lactic Acid for Severe Sepsis

BMC



Important Note

THIS IS TO BE ORDERED IN THE SEPSIS ORDER SET AVAILABLE IN EPIC

Specimen Type

Whole Blood

Preferred Container

Heparinized blood gas syringe

Collection of a satisfactory specimen for lactate analysis requires special procedures to prevent changes in lactate while and after the specimen is drawn. The patient should be fasting and at complete rest. Blood is best collected without stasis in a heparinized container without a tourniquet or fist clenching, followed by immediate testing of the specimen.

Container for iSTAT

Green top or heparinized syringe or blood gas syringe

If sent to laboratory - send on ice without needle

Volume Required

0.5 mL

Minimum Volume

0.1 mL

Transportation Needs

Immediate chilling and delivery of the specimen to the laboratory is essential to ensure optimum specimen integrity.

Causes for Rejection

Mislabeled or unlabeled specimen

Specimen not received in heparinized container

Clotted specimen

Specimen not analyzed within 30 minutes

No Add-ons

Reference Values

Type	Reference Range	Critical Value	Units
Venous	0.9 - 1.7	> 3.9	mmol/L
Arterial	0.4 - 1.3	> 3.9	mmol/L

Whole blood values are ~7% lower than plasma values

Patient Preparation

Patient should not exercise prior to collection. The patient should be fasting and at complete rest. Do not use tourniquet when collecting blood. Do not allow patient to clench their fists during collection.

Available STAT

Yes

Methodology

Abbott iSTAT

CPT Code

83605 and/or 82803