

New Order: Corporal Blood Gas (Synonym “Priapism”)

Effective July 16, 2025, an order for Corporal Blood Gas testing is now available in EPIC.

Corporal blood gas testing is useful for diagnosis of acute ischemic priapism according to American Urological Association guidelines.

Corporal Blood Gas
<p>Source: Corpus Cavernosum (Whole Blood)</p> <p>Collection Container: Blood Gas Syringe</p> <p>Collection Instructions: Deliver to the lab within 30 minutes of collection. Consider a urology consult as appropriate. Alternatively, collection instructions can be found in: Gil Z Shlamovitz. (2024). Penile injection and aspiration. Medscape. Retrieved from https://emedicine.medscape.com/article/115710-overview#a1</p> <p>Specimens are collected by the clinical team. Respiratory Therapy should not be contacted for collection of these specimens.</p>
<p>Interpretive Comments appended to the results:</p> <p>pH: < 7.25, typically associated with acute ischemic priapism; nonischemic priapism values are similar to normal arterial blood gas values</p> <p>pO₂: < 30 mmHg, typically associated with acute ischemic priapism; nonischemic priapism values are similar to normal arterial blood gas values</p> <p>pCO₂: > 60 mmHg, typically associated with acute ischemic priapism; nonischemic priapism values are similar to normal arterial blood gas values</p>

For questions, please contact the Blood Gas Laboratory at (804) 628-6991 or Pathology Client Services at (804) 828-7284.