

EC Blood Gases, Venous, Comprehensive – Royal Oak Only

Effective Date: June 13, 2016

Beaumont Laboratory Royal Oak is providing a new blood gas panel for rapid determination of the following in venous whole blood:

pH	Na ⁺	Oxyhemoglobin
pCO ₂	K ⁺	Carboxyhemoglobin
HCO ₃ ⁻ (calculated)	Cl ⁻	Methemoglobin
Total CO ₂ (calculated)	Ca ⁺⁺ (ionized)	Glucose
Base Excess (calculated)	Total Hemoglobin	Lactate

Note pO₂ and related parameters are NOT reported, since peripheral venous samples are unreliable for determining oxygenation status.

Test Codes	Epic: EC BLOOD GASES, VENOUS, COMPREHENSIVE (LAB6929) Soft LIS: EC Blood Gases, Venous, Comprehensive (EVBGC)
Instructions	Specimens should ONLY be collected at the Royal Oak Hospital Campus. Specimens should NOT be collected at any other Beaumont Laboratory drawsite, Nursing Home, or Outreach office.
Specimen Collection	Venous whole blood may be collected via intravenous catheter or by venipuncture via winged infusion ("butterfly") set. Specimen should be drawn directly into a heparinized safePico blood gas syringe from a free-flowing venous access site without a tourniquet in place. Slowly draw back on the plunger to avoid hemolysis. Remove air bubbles, mix gently, and place immediately on ice.
Specimen Transport	Transport immediately on ice to the STAT Lab.
Rejection Criteria	Samples not collected in safePico syringe. Samples not received on ice. Samples with air bubbles or clots. Samples not received within 1 hour of collection.
Performed	Royal Oak STAT Lab only, 24 hours/day. Results available within 15 minutes of receipt in the laboratory.
Test Methodology	Potentiometry, Amperometry, Absorption Spectrophotometry

If you have questions, please contact Client Services (1-800-551-0488, option 5).

Laboratory Test Directory: <http://beaumontlaboratory.com/test-lab-directory>.

Date submitted: Wednesday, June 1, 2016
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1-800-551-0488