Lab Dept: Chemistry

Test Name: VENOUS PH

**General Information**

Lab Order Codes: VPH

Synonyms: Venous pH

CPT Codes: 82800 - Gases, blood, pH only

Test Includes: pH on venous blood

**Logistics**

Test Indications: Useful for evaluating acid/base balance, especially in diabetic ketoacidosis.

Lab Testing Sections: Chemistry

Phone Numbers:
- MIN Lab: 612-813-6280
- STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 30 minutes

Special Instructions: See Collection and Patient Preparation

**Specimen**

Specimen Type: Whole blood

Container: Preferred: Sims Portex® syringe (PB151) or Smooth-E syringe (956-463)

Draw Volume: 0.4 mL (Minimum: 0.2 mL) blood

Processed Volume: 0.2 mL blood

Collection: Draw blood into blood gas syringe. Avoid use of a tourniquet. **Immediately** remove all air from syringe, remove needle, cap tightly, and mix. Forward immediately at ambient temperature.
**Special Processing:**
Lab Staff: Deliver the specimen to the blood gas testing station. Testing must be completed within 30 minutes of collection, or the sample should be placed in an ice slurry.

**Patient Preparation:**
The patient should be in a relaxed and steady state.

**Sample Rejection:**
Mislabeled or unlabeled specimens; non-heparinized samples; collection times exceeding 30 minutes and clotted samples; specimens containing air

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**Interpretive**

**Reference Range:**
PH: 7.31 - 7.41

**Critical Values:**
pH: <7.2 or >7.6

**Limitations:**
N/A

**Methodology:**
Ion-Selective Electrode

**References:**

ABL800 FLEX Operator’s Manual from software version 6.00

Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp