

---

**0070107****Insulin, Random****INSULIN R**

**Specimen Required:** Collect: Serum separator tube.

Specimen Preparation: Allow specimen to clot completely at room temperature. Separate serum from cells ASAP or within 2 hours of collection. Transfer 1 mL serum to an ARUP Standard Transport Tube. (Min: 0.4 mL)

Storage/Transport Temperature: Frozen.

Unacceptable Conditions: Heparinized plasma. I.V. fluid. Vitreous fluid. Gray (potassium oxalate/sodium fluoride). Hemolyzed specimens.

Stability (collection to initiation of testing): After separation from cells: Ambient: 8 hours; Refrigerated: 1 week; Frozen: 1 month.

**Interpretive Data:**

This test reacts on a nearly equimolar basis with the analogs insulin aspart, insulin glargine, and insulin lispro. Insulin detemir exhibits approximately 50 percent cross-reactivity. Test reactivity with insulin glulisine is negligible (< 3 percent). To convert to pmol/L, multiply  $\mu\text{IU/mL}$  by 6.0. The reference interval for a fasting insulin is 3-25  $\mu\text{IU/mL}$ .