

HOTLINE: Effective February 22, 2022

0098519

Itraconazole, Quantitative by LC-MS/MS

ITRACONAZ

Specimen Required: Patient Prep: Timing of specimen collection: Pre-dose (trough) draw - At steady state concentration.

Collect: Plain Red, Lavender (EDTA), or Green (Sodium or Lithium Heparin).

Specimen Preparation: Separate from cells ASAP or within 2 hours of collection. Transfer 1 mL serum to an ARUP Standard Transport Tube. (Min: 0.6 mL)

Storage/Transport Temperature: Frozen.

Unacceptable Conditions: Whole blood. Gel separator tubes, Light Blue (citrate), or Yellow (SPS or ACD solution).

Stability (collection to initiation of testing): After separation from cells: Ambient: 48 hours; Refrigerated: 48 hours; Frozen: 6 months

Interpretive Data:

Itraconazole is an azole antifungal drug indicated to treat fungal infections. The therapeutic range is based on serum, predose (trough) draw collection at steady-state concentration. The pharmacokinetics of itraconazole are influenced by drug-drug interactions when coadministered with drugs metabolized by cytochrome P450 3A4 enzyme. Itraconazole and hydroxyitraconazole concentrations combined should not exceed 10 µg/mL. Adverse effects may include nausea, abdominal pain, and congestive heart failure.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.