HOTLINE: Effective February 22, 2022

2001739 Posaconazole, Quantitative by LC-MS/MS POSACON AF

Specimen Required: Patient Prep: Timing of specimen collection: Pre-dose (trough) draw - At steady state concentration. Blood levels may be affected by other concurrent medications, patient conditions, fat intake at dosing, and other factors.
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 or plasma to an ARUP Standard Transport Tube and freeze. (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:
Posaconazole is a triazole antifungal drug indicated to treat invasive aspergillus and candidiasis infections. The therapeutic range is based on serum, predose (trough) draw collection at steady-state concentration. The pharmacokinetics of posaconazole are influenced by drug-drug interactions when coadministered with drugs metabolized by UDP-glucuronosyltransferase. Posaconazole is also an inhibitor of cytochrome P450 3A4 enzyme. Adverse effects may include fever, nausea, vomiting, diarrhea, cardiovascular disorders, and liver toxicity.

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.