

HOTLINE: Effective February 22, 2022

0097621

Fluconazole, Quantitative by LC-MS/MS

FLUCON

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:

Fluconazole is a synthetic triazole antifungal drug indicated to treat candidiasis and cryptococcal meningitis infections. The therapeutic range is based on serum, predose (trough) draw collection at steady-state concentration. The pharmacokinetics of fluconazole are influenced by drug-drug interactions when coadministered with drugs metabolized by cytochrome P450 2C9, 2C19 and 3A4 enzymes. Adverse effects may include headache, skin rash, abdominal pain and hepatitis.

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.