

HOTLINE: Effective November 14, 2022

2003118 Quetiapine, Serum or Plasma

QUETIAP

Methodology: Liquid Chromatography-Tandem Mass Spectrometry

Specimen Required: Collect: Plain red. Also acceptable: Lavender (K₂ or K₃EDTA) or pink (K₂ EDTA).

Specimen Preparation: Separate serum or plasma from cells within 2 hours of collection. Transfer 1 mL serum or plasma to an ARUP Standard Transport Tube. (Min: 0.5 mL)

Storage/Transport Temperature: Refrigerated.

Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution).

Stability (collection to initiation of testing): Ambient: 24 hours; Refrigerated: 2 weeks; Frozen: 4 months

Reference Interval:

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Therapeutic Range:	100-1000 ng/mL
Toxic:	Greater than 1000 ng/mL

Interpretive Data:

Quetiapine is an antipsychotic drug indicated for the treatment of schizophrenia and bipolar disorder. The pharmacokinetics of quetiapine are influenced by drug-drug interactions that may inhibit or induce CYP3A4 metabolism. Adverse effects may include somnolence, hypotension, dizziness, fatigue, constipation, weight gain.

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.