

Risperidone Level

Order Name: **RISPERIDON**
Test Number: 3656300
Revision Date: 12/12/2022

| TEST NAME | METHODOLOGY | LOINC CODE |
|----------------------------|---|------------|
| Risperidone Level | Quantitative Liquid Chromatography/Tandem Mass Spectrometry | 9393-0 |
| 9-Hydroxyrisperidone Level | Quantitative Liquid Chromatography/Tandem Mass Spectrometry | 9383-1 |
| Risperidone Total | Calculation | 9394-8 |

SPECIMEN REQUIREMENTS

| Specimen | Specimen Volume (min) | Specimen Type | Specimen Container | Transport Environment |
|--------------|--|---------------|---|-------------------------|
| Preferred | 3 mL (1.1 mL) | Serum | Clot Activator (Red Top, No-Gel) | Room Temperature |
| Instructions | <p>Specimen Type: Red-top tube; DO NOT USE A GEL-BARRIER TUBE. The use of gel-barrier tubes is not recommended due to slow absorption of the drug by the gel. Depending on the specimen volume and storage time, the decrease in drug level due to absorption may be clinically significant.</p> <p>Specimen Storage: Maintain specimen at room temperature</p> <p>Specimen Collection: Collect specimen just prior to the next dose (trough level).</p> <p>Specimen Stability: Ambient: 14 days, Refrigerated : 14 days, Frozen: 14 days</p> | | | |

GENERAL INFORMATION

| | |
|------------------------------|--|
| Expected TAT | 3 - 5 days |
| Clinical Use | Therapeutic drug monitoring for effective therapy. Risperidone is rapidly converted into its hydroxy metabolite in the liver. Peak concentration of risperidone occurs in about 1 hour following oral administration and for 9-hydroxyrisperidone the peak level is reached at 3 hours (17 hours for poor metabolizers). The elimination half-life of risperidone is 3 hours (20 hours for poor metabolizers), and is 21 hours of hydroxyrisperidone (30 hours for poor metabolizers). |
| Performing Labcorp Test Code | 716563 |
| Notes | Labcorp Test Code: 716563 |
| CPT Code(s) | 80342 |
| Lab Section | Reference Lab |