### Lab Dept: Anatomic Pathology

### Test Name: RIGHTMED PHARMACOGENETICS

<table>
<thead>
<tr>
<th>Lab Order Codes:</th>
<th>RPHA</th>
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<tbody>
<tr>
<td>Synonyms:</td>
<td>N/A</td>
</tr>
<tr>
<td>CPT Codes:</td>
<td>81479 – Unlisted Molecular Pathology procedure.</td>
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<tr>
<td>Test Includes:</td>
<td>Analysis of 22 genes: CYP1A2, CYP2B6, CYP2C9, CYP2C19, CYP2D6, CYP3A4, CYP3A5, COMT, DPYD, DRD2, F2, F5, GRIK4, HTR2A, HRT2C, IL28B (IFNL3), NUDT15, OPRM1, SLCO1B1, TPMT, UGT1A1, VKORC1</td>
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</tbody>
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### Logistics

#### Test Indications:
The test includes 22 genes and covers more than 340 medications and over 20 conditions (Acute migraine, Allergies, Alzheimer's disease, Anticoagulation, Antiplatelet therapy, Arrhythmias, Bacterial infection, Benign prostatic hyperplasia, Cancer, Chronic hepatitis, Depression/anxiety, Diabetes, Fungal infection, Gastroesophageal reflux disease (GERD), Gout, HIV infection, Hypercholesterolemia, Hypertension, Immunosuppression, Migraine prophylaxis, Overactive bladder, Pain, Parkinson's disease, Psychosis, Rheumatoid arthritis, Seizure, Sleep disorders, Smoking cessation)

#### Lab Testing Sections: Anatomic Pathology - Sendouts

#### Referred to: OneOme

#### Phone Numbers:
- MIN Lab: 612-813-6280
- STP Lab: 651-220-6550

#### Test Availability: Daily, 24 hours

#### Turnaround Time: 2 weeks

#### Special Instructions: N/A

### Specimen

#### Specimen Type: Blood
**Container:** Lavender top (EDTA) tube  
Alternate: Yellow top (ACD) tube

**Draw Volume:** Minimum: 1 mL blood

**Processed Volume:** Same as Draw Volume

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Invert several times to mix blood. Send specimen in original tube. Tube must be labeled with collection date and two unique patient identifiers. Ship at refrigerated temperature. Store refrigerated if collected on a weekend or holiday and ship the next business day. Samples are stable 3 weeks under refrigeration.

Send specimens Monday – Friday Only.

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens

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**Interpretive**

**Reference Range:** An interpretive report will be provided.

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Genomic DNA analysis with Polymerase Chain Reaction (PCR)

**References:** [OneOme.com](http://OneOme.com) September 2017