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**Lab Dept:**                   **Anatomic Pathology**

**Test Name:**               **PHARMACOSCAN PANEL**

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***General Information***

**Lab Order Codes:**       PHAR

**Synonyms:**                N/A

**CPT Codes:**             81479 – Molecular pathology, unlisted  
81225 – CYP2C19 Gene analysis  
81226 – CYP2D6 Gene analysis  
81227 – CYP2C9 Gene analysis  
81381 – HLA Class I, one allele or group  
81401 – Molecular pathology, level 2  
81355 – VKORC1 Gene analysis  
81291 – MTHFR Gene analysis  
81275 – KRAS Gene analysis  
81220 – CFTR Gene analysis  
81235 – EGFR Gene analysis  
82955 – Glucose-6-phosphate dehydrogenase, quantitative  
81400 – Molecular pathology, level 1  
81383 – HLA Class II, one allele or group  
88344 – Immunohistochemistry, each multiplex antibody stain procedure

**Test Includes:**         Genomic testing and clinical analysis of relative pharmacogenetic genes and HLA typing for known associations with drug metabolism and hypersensitivity.

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***Logistics***

**Test Indications:**     Pharmacogenomic risk factor screening

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

**Referred to:**           RPRD Diagnostics

**Phone Numbers:**      MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:**     Daily, 24 hours

**Turnaround Time:**    4 – 6 weeks

**Special Instructions:** See [Special Processing](#). Include completed requisition with the specimen or with the patient presenting at the laboratory.

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### ***Specimen***

<b>Specimen Type:</b>	Whole blood
<b>Container:</b>	Lavender (EDTA) top tube
<b>Draw Volume:</b>	5 mL (Minimum: 3 mL) blood
<b>Processed Volume:</b>	Same as Draw Volume
<b>Collection:</b>	Routine blood collection
<b>Special Processing:</b>	Lab Staff: Do Not centrifuge. Specimen should remain as whole blood in original collection container. Store and ship at refrigerated temperatures.  <b>Note:</b> Specimen stability – DNA must be extracted within 5 days of collection.
<b>Patient Preparation:</b>	N/A
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

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### ***Interpretive***

<b>Reference Range:</b>	An interpretive report will be provided
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	N/A
<b>Methodology:</b>	Microarray
<b>References:</b>	<a href="#">RPRD Diagnostics</a> April 2018
<b>Update:</b>	11/3/2017: Added specimen stability