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

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

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***General Information***

**Lab Order Codes:**       PHAR

**Synonyms:**               Whole Pharmacogenomics Scan; WPS

**CPT Codes:**             81220 CFTR  
81404 CYP1B1  
81227 CYP2C9  
81225 CYP2C19  
81226 CYP2D6  
81230 CYP3A4  
81231 CYP3A5  
81232 DPYD  
82978 GSTM1  
81306 NUDT15  
81335 TPMT  
81350 UGT1A1  
81328 SLCO1B1  
81406 RYR1  
81247 G6PD  
81283 IFNL3  
81355 VKORC1  
81479 Molecular pathology, unlisted  
81381 HLA Class I, one allele or group  
81401 Molecular pathology, level 2  
81400 Molecular pathology, level 1  
81383 HLA Class II, one allele or group

**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

<b>Phone Numbers:</b>	MIN Lab: 612-813-6280 STP Lab: 651-220-6550
<b>Test Availability:</b>	Daily, 24 hours
<b>Turnaround Time:</b>	4 – 6 weeks
<b>Special Instructions:</b>	See <a href="#">Special Processing</a> . Include completed requisition with the specimen or with the patient presenting at the laboratory.  If performed by reference lab, a separate HLA report must be obtained by Sendouts Laboratory from the RPRDx Ovation portal scanned with the Whole Pharmacogenomics Scan report. An HLA report is not applicable for every patient but will be available in the portal at the time the faxed results are sent, if it applies.

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### ***Specimen***

<b>Specimen Type:</b>	Whole blood
<b>Container:</b>	Lavender (EDTA) top tube Alternate: Buccal Swab, Oragene Dx saliva
<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 ambient temperatures.  Specimen stability – DNA must be extracted within 7 days of collection.
<b>Patient Preparation:</b>	N/A
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens, frozen specimens, hemolyzed or clotted blood

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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

**Methodology:** PharmcoScan™ assay is a primary platform for genotyping and copy number variant (CNV) analysis for the WPS testing

**References:** [RPRD Diagnostics WPS FAQ](#) December 2024

**Update:**  
11/3/2017: Added specimen stability  
10/5/2022: Added information in the Special instructions section.  
12/27/2024: Edited specimen stability, methodology, and storage/shipping temperature; added specimen rejection criteria and saliva as an alternative specimen