Lab Dept: Anatomic Pathology

Test Name: PHARMACOSCAN PANEL

General Information

Lab Order Codes: PHAR

Synonyms: Whole Pharmacogenomics Scan; WPS

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.

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. If performed by reference lab, a separate HLA report must be obtained by Sendout's Laboratory from the RPRDx Ovation portal scanned into Cerner 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.

Specimen

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

Interpretive

Reference Range:	An interpretive report will be provided
Critical Values:	N/A
Limitations:	N/A
Methodology:	Microarry
References:	RPRD Diagnostics April 2018
Update:	11/3/2017: Added specimen stability 10/5/2022: Added information in the Special instructions section.