CleanPlex® Ready to Use Panels

CleanPlex® Pharmacogenomics Kit

Streamlined NGS panels to improve turnaround times, reduce costs, and deliver reliable results.

HIGHLIGHTS

Complete PGx Coverage

- Comprehensive analysis of 30 essential pharmacogenes in a single assay
- Covers major drug metabolism pathways (CYP450s including CYP2D6 whole gene CNV), transporters, drug targets, and more

Fast, Streamlined Assay Workflow

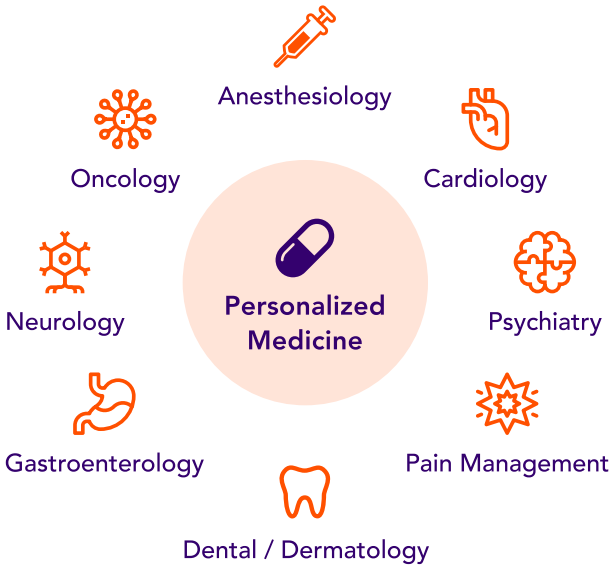
Generate sequencing-ready libraries in just 3 hours using a rapid, three-step amplicon-based targeted NGS library preparation protocol

Actionable Insights

Actionable insights for medications across multiple therapeutic areas including cardiology, psychiatry, pain management, and oncology

Superb Performance

Prepare high-quality NGS libraries using CleanPlex® Technology to enable efficient use of sequencing reads and reduce costs



Uniformity

Highly consistent coverage across targets ensures reliable variant detection.

Speed

Generate NGS-ready libraries in as little as 3 hours.

Scalability

Flexible throughput for both low- and high-volume labs.

Simple Workflow

Three-step protocol with minimal hands-on time.

Performance

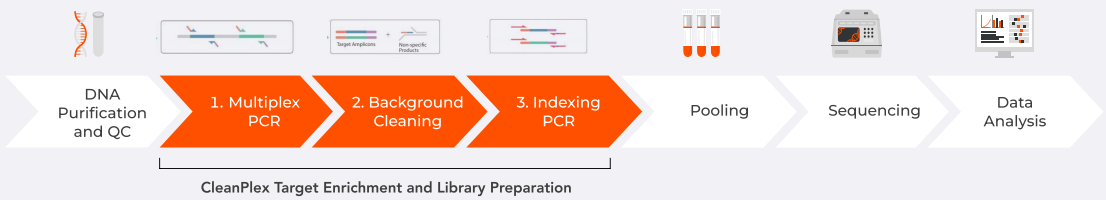
High assay success rate and reproducibility, even in challenging samples.

CleanPlex Pharmacogenomics Kit Specifications

PARAMETER	SPECIFICATION
Enrichment Method	Multiplex PCR
Sequencing Platforms	Illumina®, Ion Torrent™, DNBSEQ™
Number of Genes	30
Targets	Gene variants associated with cardiovascular medications, psychiatric drugs, pain relievers, cancer therapeutics, and more.
Variant Types	Small Indels, SNVs, Whole Gene CNV and Star Alleles
Number of Amplicons	238
Amplicon Size	105 - 275 bp

CleanPlex Streamlined Workflow

The CleanPlex Pharmacogenomics Kit offers a simple and streamlined workflow. Starting from purified and quantitated DNA, the multiplex PCR-based protocol can be completed in just 3 hours, with 75 mins hands on time, using a three-step workflow with minimal tube-to-tube transfers. Each step consists of a thermal cycling or incubation condition, followed by "with bead" purification using magnetic beads.



Full Gene List

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

PARAGON GENOMICS