PHARMACOGENOMICS ADME PGx PRO PANEL

The iPLEX ADME PGx Pro Panel is a comprehensive panel for genotyping pharmacogenetic biomarkers associated with drug metabolism.

What is the PGx Panel?

The panel comprises a set of pre-designed SNP and CNV assays. For projects that investigate pharmacogenetic variations, the Agena Bioscience MassARRAY System enables cost-effective detection of germline variations that cause differences in drug distribution, efficacy, metabolism, and toxicity.

Genes analysed

ABCB1	CYP2A6	CYP2E1	GSTT1	SLC22A2	TPMT
ABCC2	CYP2B6	CYP3A4	GSTT2b	SLC22A6	UGT1A1
ABCG2	CYP2C19	CYP3A5	NAT1	SLC01B1	UGT2B15
COMT	CYP2C8	DPYD	NAT2	SLCO1B3	UGT2B17
CYP1A1	CYP2C9	GSTM1	SLC15A2	SLC02B1	UGT2B7
CYP1A2	CYP2D6	GSTP1	SLC22A1	SULT1A1	VKORC1

Applications

Using pre-designed iPLEX ADME PGx panels from Agena Biosciences:

- Routine pharmocogenetic testing to determine drug metabolizer status
- Validate your own PGx markers
- Screen hundreds of samples economically

Service Access

To access this service we require 200ng of DNA, each sample undergoes QC assessment prior to processing and is accurately quantitated to 5ng/ul.

A minimum of 48 samples per submission is required for processing.

Data Analysis

Haplotype reports are automatically generated using MassARRAY analysis software.

Data provided in excel format includes:

- Genotypes
- Haplotypes
- Haplotype tables.

Data analysis is simplified using straightforward and comprehensive report tables, this allows for quick troubleshooting on a per-sample or per well basis.

Our funding partners

AGRF is a not-for-profit organisation supported by the Commonwealth Government infrastructure schemes administered through Bioplatforms Australia.

These schemes include NCRIS, EIF, Super Science Initiative CRIS and NCRIS 2

Contact us: 1300 247 301
info@agrf.org.au
www.agrf.org.au/services