

# iPLEX<sup>®</sup> CYP2C9/VKORC1 Panel

# Investigate and Confirm Pharmacogenetic Biomarkers in CYP2C9 and VKORC1 with High Accuracy and Rapid Results

The iPLEX® CYP2C9/VKORC1 Panel, for use on the MassARRAY® System, is a set of 51 pre-designed SNP assays for use in the screening of polymorphisms in CYP2C9, VKORC1, CYP4F2, and GGCX genes.



Analyze 51 mutations in 4 pharmacogenetically relevant genes.

- Obtain biologically relevant data for most of the known haplotypes for CYP2C9 and VKORC1.
- Use as little as 30 ng of DNA per sample.
  - Reduce chance of lab mix-ups with a universal PCR pool.

Agena Bioscience also offers the iPLEX PGx Pro Panel, covering 36 key genes known to influence drug metabolism, as well as panels for in depth analysis of CYP2C19 and CYP2D6.

Visit *www.agenabioscience.com* for more information.

GENES	HAPLOTYPES INCLUDED IN THE PANEL
CYP2C9	*1A, *1B, *1C, *1D, *2A, *2B, *2C, *3A, *3B, *4, *5, *6, *7, *8, *9, *10, *11A, *11B, *12, *13, *14, *15, *16, *17, *18, *19, *20, *21, *22, *23, *24, *25, *26, *27, *28, *29, *30, *31, *32, *33, *34
CYP4F2	1297G>A
VKORC1	*1, BHT4, *2/H1, H2/H5, *2A, H4, *2B, H6, *3, H7A,*3F, H7B, *4, H8, *7RE, H9, BHT2RE, BHT3
GGCX	2084+45G>C

For Research Use Only. Not for use in diagnostic procedures.

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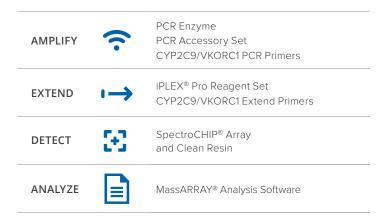
## THE MASSARRAY WORKFLOW

Each sample is subjected to PCR amplification and primer extension with the iPLEX CYP2C9/VKORC1 reagents. The extension products are dispensed onto a SpectroCHIP® Array and detected via MassARRAY mass spectrometry. After the sample run, an automated software report provides the calls and mutation frequency for each sample as well as a confidence score.

### THROUGHPUT

The iPLEX CYP2C9/VKORC1 Panel contains multiplexed assays in 3 wells, using 10 ng of input DNA per well. The panel can be run in 96-well format (32 samples per plate) or 384-well format (128 samples per plate). Thirty-two to 1,024 samples can be processed per day, providing flexibility in sample throughput and batching requirements.

#### **PANEL COMPONENTS**



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