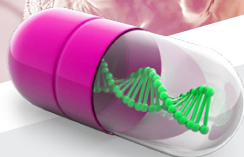


PGx



## VeriDose<sup>®</sup> DPYD Panel



### Accurately Characterize *DPYD* Activity

Partial or complete lack of dihydropyrimidine dehydrogenase (DPD) enzyme functionality can increase the risk of severe drug toxicity during treatment with fluoropyrimidines (5-FU, capecitabine, tegafur)<sup>1</sup>. Understanding *DPYD* gene status and its impact on drug metabolism is a rapidly growing focus area in clinical research.

The VeriDose<sup>®</sup> DPYD Panel targets a set of 9 *DPYD* variants associated with an increased risk of severe toxicity, including the 5 variants recommended by the European Medical Agency<sup>2</sup> and the 4 variants of primary relevance as noted by the Clinical Pharmacogenetics Implementation Consortium<sup>3</sup>.

#### The Agena Bioscience<sup>®</sup> Solution

- Single well multiplex panel for the detection of 9 SNP genotypes associated with increased risk of toxicity
- Use as a stand-alone or in combination with other PGx panels on the same run, creating workflow efficiencies
- Cost effective testing with minimal waste

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

**Agena**<sup>®</sup>  
BIOSCIENCE

## ASSAY COMPONENTS

Contains all high toxicity risk markers mandated by guidelines plus additional markers of interest.

rsID	Nucleotide change	Allelic Variant
rs3918290	c.1905+1G>A	DPYD*2A
rs55886062	c.1679T>G	DPYD*13, p.I560S
rs67376798	c.2846A>T	p.D949V
rs75017182	c.1129-5923C>G	HapB3
rs115232898	c.557A>G	p.Y186C
rs56038477	c.1236G>A	E412E
rs115349832	c.959-51T>C	
rs6668296	c.680+139G>A	
rs56276561	c.483+18G>A	

## ORDERING INFORMATION

The assay panel sets are available in both 96 and 384 reaction formats to support varying sample throughput.

Catalog No.	Item	# Samples	Format
13330F	VeriDose DPYD Panel Set – CPM (10x96)	960	96 CPM
13331D	VeriDose DPYD Panel Set - CPM (10x384)	3840	384 CPM

## References

- <https://doi.org/10.1159/000510258>
- <https://www.ema.europa.eu/en/news/ema-recommendations-dpd-testing-prior-treatment-fluorouracil-capecitabine-tegafur-flucytosine>
- <https://doi.org/10.1002/cpt.911>

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