

Personalised Screening for Chemotoxicity Response

Yourgene® DPYD

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The Yourgene® DPYD assay is a simple genotyping test which uses ARMS (Amplification-Refractory Mutation System) technology for the rapid detection of the six clinically relevant variants which lead to reduced dihydropyrimidine dehydrogenase enzyme (DPD) efficiency. This enzyme is encoded by the *DPYD* gene.

5-fluoracil (5-FU) is a chemotherapy agent used to treat a range of cancers including colorectal, head and neck, breast, pancreatic and stomach cancer. Identifying patients with DPD deficiency prior to commencing 5-FU chemotherapy is critical to avoid potentially fatal adverse drug reactions.

Key Benefits

DPD deficiency testing for 5-FU therapy response prediction

CE-IVDR Certified

- One of the first IVDR certified assays for pharmacogenomics screening providing a high quality, fully validated product that requires minimal validation to fit into your workflow

Rapid Workflow

- Post-DNA extraction, the rapid workflow is completed in less than 4 hours
- Rapid results are available to a clinician within one working day

Two Tube Assay

- Simple to use; just add DNA
- Minimal hands-on time and fewer reagents to improve economies of testing

Reliable Performance

- Optically balanced primers to maximise ease-of-interpretation and reduce analysis burden

Compatible with ABI 3130/3500/SeqStudio Genetic Analyser Platforms

- Validated on popular sequencing platforms, facilitating ease of adoption

Aligned to clinical guidelines and pathways

- Coverage of clinically actionable variants, as recommended by European Medicines Agency (EMA), European Society for Medical Oncology (ESMO) and Clinical Pharmacogenetic Implementation Consortium (CPIC) guidelines

The Yourgene® DPYD assay has received IVDR certification!

A product with IVDR certification enables clinician and patient confidence in a high quality test - where accuracy matters

Yourgene®
DPYD

Clinical Performance

Performance you can rely on

100%

Sensitivity &
Specificity



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Yourgene® DPYD



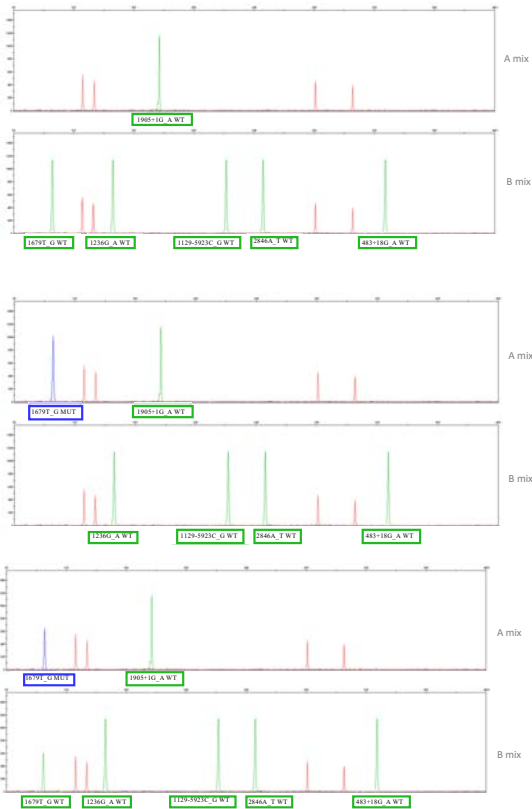
Data Interpretation

Normal Result

In a normal result, all alleles detected are homozygous wildtype. In this example, the sample is wildtype for all markers detected:

*2A – green WT peak present in the A mix.

*13, c.2846A>T, HapB3 – Green WT peaks present in the B mix



Homozygous Result

In an individual homozygous for a specific mutation, the marker will only display a single mutant peak and no wildtype. In this example, the sample is homozygous mutant for 1679 T>G (blue peak), with the remaining markers showing a homozygous wildtype genotype

Heterozygous Result

If an individual is heterozygous for a marker, two peaks will be detected. In this example, the sample is heterozygous mutant for c.1679 T>G, with the remaining markers showing a homozygous wildtype genotype

Vist our website to view the mutations covered by our DPYD Kit

Ordering Information

Scan the QR code to view to view our DPYD Resources including videos and articles



Product Name	Part Code	Description	Pack Size
Yourgene® DPYD	ONDYDB1	Yourgene® DPYD for *2A, *13, c.2846A>T, HapB3 testing	25 Tests

Yourgene®DPYD assay previously known as Elucigene® DPYD assay

Yourgene® DPYD is ARTG listed. ARTG: 395461

For further information

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Check out our Reproductive Health portfolio:

- Cystic Fibrosis
- Rapid Aneuploidy Anaylsis
- Pregnancy Loss
- Male Factor Infertility
- Thrombosis Risk Panel



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