

EasyDigital CYP2D6

QuanStudio™ Absolute Q™ Digital PCR System



08337230 for EasyDigital EasyDigital CYP2D6 CNVs (120 reactions)

CYP2D6 gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This assay specifically targets CYP2D6 intron 6, intron 2 and exon 9 sequences and will not amplify CYP2D7 or CYP2D8 pseudogenes.

The **EasyDigital CYP2D6** enables the detection of several CNVs located in locus 22q13.2 with high sensitivity and specificity. The EasyDigital CYP2D6 has been designed to be used in the QuanStudio™ Absolute Q™ Digital PCR System. The assay includes RNase P and fluorescent probes for the amplification of copy number analysis of the drug metabolizing enzyme gene CYP2D6.

The **EasyDigital CYP2D6** has been validated for the QuanStudio™ Absolute Q™ Digital PCR System. Digital PCR (dPCR) is a precise technique that allows absolute nucleic acid quantification of low amounts of targets.

- dPCR system: QuanStudio™ Absolute Q™ Digital PCR System
- Number of reactions: 120
- 4–16 samples per dPCR run (MAP16 Plate)
- The assay includes oligonucleotides and fluorescent probes for the amplification of copy number analysis of the drug metabolizing enzyme gene CYP2D6.
- Software easy to use
- Results in copies/μl



