EasyDigital EGFR

QuanStudio™ Absolute Q™ Digital PCR System
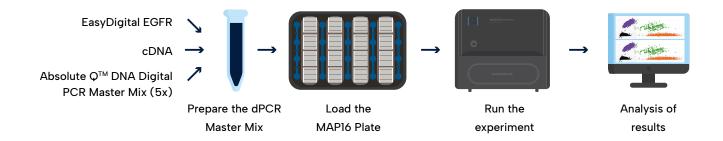
08337228 for EasyDigital EGFR (150 reactions)

EGFR gene encodes a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor, thus inducing receptor dimerization and tyrosine autophosphorylation leading to cell proliferation.

Amplification and mutations have been shown to be driving events in many cancer types. Its role in non–small cell lung cancer (NSCLCs) , glioblastoma and basal–like breast cancers has spurred many research and drug development efforts. EGFR mutations are reported in approximately 10% to 30% of NSCLCs worldwide.

The EasyDigital EGFR enables the detection of 3 variants involved in NSCLCs and other diseases with high sensitivity and specificity. The EasyDigital EGFR has been designed to be used in the QuantStudio™ Absolute Q™ Digital PCR System. The assay includes 4 panels for the amplification of the several mutations such as T90M, L858R, L861Q, T90T...

The EasyDigital EGFR has been validated for the QuantStudio™ 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: QuantStudio™ Absolute Q™ Digital PCR System
- Number of reactions: 150
- 4–16 samples per dPCR run (MAP16 Plate)
- The assay includes oligonucleotides and fluorescent probes for the amplification
- Software easy to use
- Results in copies/µl

EasyDigital EGFR
cDNA
Absolute Q™ DNA Digital PCR Master Mix (5x)
→ Prepare the dPCR Master Mix → Load the MAP16 Plate → Run the experiment → Analysis of results