PerfeCta® FastMix® II

IMPROVED SENSITIVITY AND REPRODUCIBILITY

PerfeCta FastMix II is an advanced qPCR reagent system for both fast and conventional PCR cycling protocols or instruments. It is a versatile and robust solution that provides the ultimate sensitivity and high PCR efficiency using a variety of fluorogenic probe chemistries, including TaqMan® hydrolysis probes.

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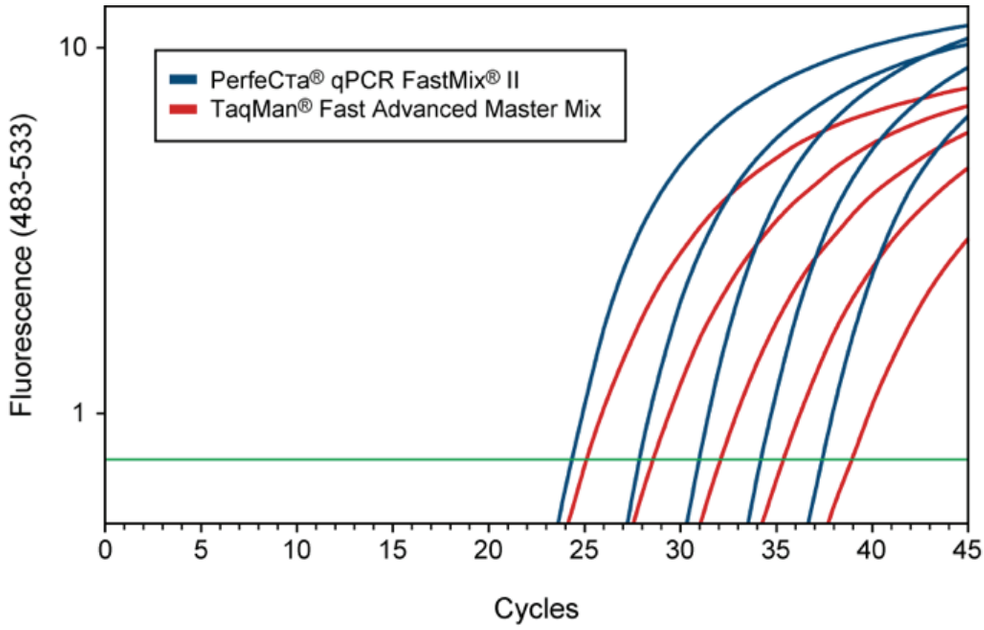
FEATURES AND BENEFITS

- **Shorter run times enabling more experiments per day**
- **Broad dynamic range – more reliably attain useful data from your samples**
- **Superior antibody-mediated hot-start – higher specificity**

DESCRIPTION

PerfeCta FastMix II is an advanced qPCR reagent system for both fast and conventional PCR cycling protocols or instruments. It is a versatile and robust solution that provides the ultimate sensitivity and high PCR efficiency using a variety of fluorogenic probe chemistries, including TaqMan hydrolysis probes. PerfeCta FastMix II is provided as a 2X concentrated ready-to-use reaction cocktail that contains all required reaction components, except primers, probe(s), and DNA template. The light blue color of the AccuVue™ tracer dye simplifies reaction assembly in white, or clear, plates and helps to minimize pipetting or mixing errors. It does not interfere with qPCR performance or affect the stability of the product.

A key component of PerfeCta FastMix II is an ultra pure, processive thermostable DNA polymerase that is free of detectable E. coli DNA. PerfeCta FastMix II is ideal for demanding qPCR applications such as bacterial pathogen detection where residual host DNA in typical recombinant enzyme preparations can limit assay sensitivity and obscure detection of low copy samples. The enzyme in PerfeCta FastMix II is combined with high avidity monoclonal antibodies to provide a stringent automatic hot-start that allows reaction assembly, and temporary storage, at room temperature prior to PCR amplification.



Log-fold dilutions: 20ng to 20pg and NTC triplicate qPCRs for each input quantity

ORDERING INFORMATION

PRODUCT	Instrument Compatibility	Quanta Cat. No.	Pack Size
PerfeCta FastMix II	Roche LightCycler® 480, Opticon™, Chromo4™, Corbett Rotor-Gene™, eppendorf Mastercycler®, Bio-Rad CFX	95118-250	250 x 20 µl rxns
		95118-012	1250 x 20 µl rxns
		95118-05K	5000 x 20 µl rxns
PerfeCta FastMix II ROX	AB 7000, 7300, 7700, 7900, StepOne™	95119-250	250 x 20 µl rxns
		95119-012	1250 x 20 µl rxns
		95119-05K	5000 x 20 µl rxns
PerfeCta FastMix II Low ROX	AB 7500, Stratagene MX, AB QuantStudio 12K Flex, AB ViiA7, Fluidigm BioMark	95120-250	250 x 20 µl rxns
		95120-012	1250 x 20 µl rxns
		95120-05K	5000 x 20 µl rxns

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