

# PerfeCta® FastMix® II

Convenient, 1-tube reagent solution supports robust and reliable probe-based DNA detection with fast or standard thermal cycling conditions

## FEATURES AND BENEFITS:

- 2x concentrated reagents minimize pipetting steps, simplify reaction assembly and improve accuracy
- Superior assay sensitivity and specificity with ultrapure AccuStart II enzyme technology – maximum-yielding Taq DNA polymerase mutant controlled by stringent, multi-epitope antibody hot-start
- Inert AccuVue plate loading dye simplifies reaction setup and provides instant visual cue of reagent addition and mixing.
- Supports efficient vortex mixing with proprietary anti-foaming technology
- Flexible – optimized for both fast and standard thermal cycling conditions

## DESCRIPTION:

PerfeCta FastMix II is an advanced 2x concentrated qPCR SuperMix reagent for both fast and conventional PCR cycling protocols or instruments. It is a versatile and robust solution that provides the superior sensitivity and high PCR efficiency and is compatible with all dual-label (hydrolysis) probe chemistries. The kit is provided as a 2x concentrated ready-to-use reaction cocktail that contains all required reaction components, except primers, probe(s), and DNA template. Inert AccuVue

plate loading dye helps to minimize pipette error and provides visual confirmation of thorough mixing.

A key component of the kit is an ultrapure, highly-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.

## ORDER INFO

Product Name	Quantabio Catalog Number	Size
PerfeCta qPCR FastMix II - 250 R	95118-250	250 x 20 µl rxns (2 x 1.25 ml)
PerfeCta qPCR FastMix II - 1250 R	95118-012	1250 x 20 µl rxns (10 x 1.25 ml)
PerfeCta qPCR FastMix II - 5000 R	95118-05K	5000 x 20 µl rxns (1 x 50 ml)
PerfeCta qPCR FastMix II, ROX - 250 R	95119-250	250 x 20 µl rxns (2 x 1.25 ml)
PerfeCta qPCR FastMix II, ROX - 1250 R	95119-012	1250 x 20 µl rxns (10 x 1.25 ml)
PerfeCta qPCR FastMix II, ROX - 5000 R	95119-05K	5000 x 20 µl rxns (1 x 50 ml)
PerfeCta qPCR FastMix II, Low ROX - 250 R	95120-250	250 x 20 µl rxns (2 x 1.25 ml)
PerfeCta qPCR FastMix II, Low ROX - 1250 R	95120-012	1250 x 20 µl rxns (10 x 1.25 ml)
PerfeCta qPCR FastMix II, Low ROX - 5000 R	95120-05K	5000 x 20 µl rxns (1 x 50 ml)

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Quantabio products are intended for molecular biology applications. The products are not intended for the diagnosis, prevention or treatment of a disease.

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