

# PerfeCta<sup>®</sup> PreAmp SuperMix

Unbiased pre-amplification of up to 100 DNA targets from as little as 100 pg total cDNA.

## FEATURES AND BENEFITS:

- Unbiased, linear pre-amplification of up to 100 DNA targets
- 5x concentrated SuperMix maximizes sample input volume with dilute cDNA templates
- 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
- User-friendly inert AccuVue plate loading dye provides visual confirmation of reagent addition
- Supports efficient vortex mixing

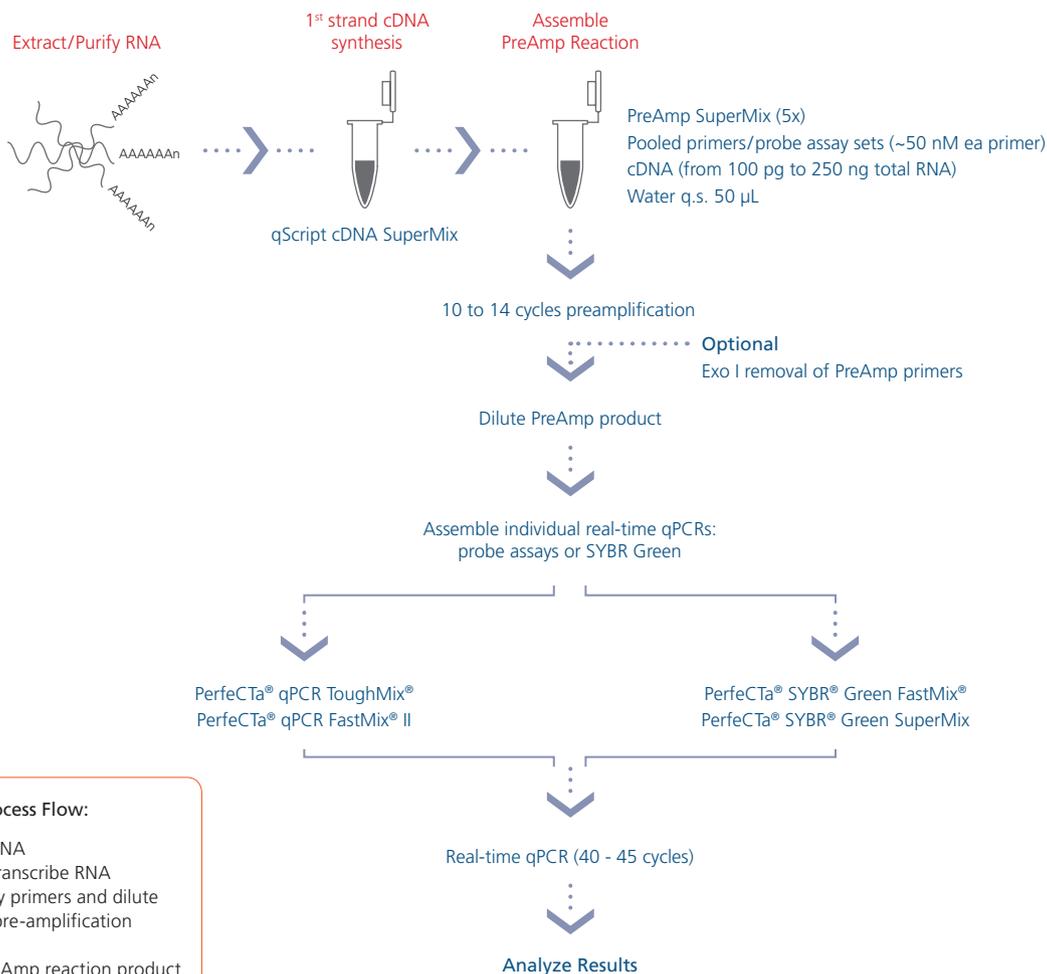
## DESCRIPTION:

PerfeCta PreAmp SuperMix is a 5x concentrated, ready-to-use reaction cocktail for unbiased, selected enrichment of target sequences from limiting amounts of starting material for downstream gene expression profiling or targeted re-sequencing. It contains all the necessary components, except primers and templates. The 5x concentrated SuperMix allows addition of higher template volumes when working with low concentration samples, and/or reduced reaction volumes. Inclusion of inert light blue tracer dye helps visualize small reaction volumes and ensure accurate pipetting. PerfeCta PreAmp SuperMix delivers unbiased pre-amplification of up to 100 target

sequences from as little as 100 pg of total cDNA. It is compatible with both TaqMan 5'-nuclease probes or ds-DNA binding dye (i.e. SYBR<sup>®</sup> Green I) qPCR detection chemistries.

A key component of PerfeCta PreAmp SuperMix is an ultra pure, highly processive thermostable DNA polymerase that is combined with high avidity monoclonal antibodies. This proprietary polymerase mix is resistant to PCR inhibitors and provides an extremely stringent automatic hot-start allowing reaction assembly, and temporary storage, at room temperature prior to pre-amplification.

PreAmp Process Flow



- PreAmp Process Flow:**
1. Prepare RNA
  2. Reverse transcribe RNA
  3. Pool assay primers and dilute
  4. Perform pre-amplification reaction
  5. Dilute PreAmp reaction product
  6. Perform individual qPCRs for each pre-amplified gene of interest (GOI).

ORDER INFO

Product Name	Quantabio Catalog Number	Size
PerfeCTa PreAmp 5x SuperMix - 40 R	95146-040	40 x 50 µl rxns

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