

# SharkaTAQ™

## Hot Start DNA Polymerase

### HIGH SPECIFICITY, YIELD AND SENSITIVITY FOR USE IN EVERYDAY PCR APPLICATIONS



#### DESCRIPTION

SharkaTAQ Hot Start DNA Polymerase is supplied in an inactive state that has no polymerase activity at ambient temperatures due to a novel patent pending method. This prevents non specific amplification resulting from extension of nonspecifically annealed primers and primer-

dimers formed at low temperatures during PCR setup and the initial PCR cycle. Provides high specificity, yield and sensitivity and is ideal for use in everyday PCR applications.

#### APPLICATIONS

Any PCR situation that requires high specificity, yield or sensitivity

Multiplex PCR (reactions with multiple primers)

Complex genomic templates

Complex cDNA templates (e.g RT-PCR)

Very low-copy targets (e.g. single-cell PCR)

#### KIT COMPONENTS

SharkaTAQ Hot Start DNA Polymerase 5 Units / ul

dNTP Mixture (2.5 mM each dNTP)

10 x PCR Buffer A and 10 x PCR Buffer B

Buffer A – use when yield is most important

Buffer B – use when specificity is most important

Includes Mg for further assay optimization & DMSO for GC rich sequences

#### KEY FEATURES

High specificity reduces potential for background amplifications

Robust enzyme ideal for many PCR applications

Easy assembly and room temperature set up

Direct replacement for more expensive Hot Start Taq polymerases

#### ORDERING INFORMATION

500 units: \$250

5,000 units: \$2,250

50,000 units: \$20,000

*Contact us for bulk discounting, institutional pricing & custom packaging. Also available as 2x Master Mix .*

#### STORAGE & STABILITY

Stable for at least 1 year at -20°C. Avoid repeated freeze-thaw cycles. Aliquot into separate tubes and store at -20°C.

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