



AQ97 High Fidelity DNA Polymerase

High specificity and robust amplification

- High fidelity: >60x Taq fidelity
- Long range capacity: 18 kb for human gDNA
- Fast extension rate: 10 sec/kb
- Good coverage on DNA templates with low to high GC content

Also available as a master mix



Taq DNA Polymerase Master Mix RED

Visualization and direct loading after PCR amplification

- Ready-to-use PCR master mix
- Direct loading onto agarose gel
- Red dye visualization of pipetting, mixing, and loading
- Timesaving – due to fewer handling steps



Q-Extract DNA Extraction PCR Kits

Optimal solution for genotyping

- PCR-ready DNA in just 8 minutes
- Minimal handling
- DNA extracted from various mammalian tissues, plant leaves, bird feathers and fish fins
- PCR master mixes with red or blue dye for direct gel loading



RealQ Plus 2x Master Mixes

For high efficiency real-time PCR applications

- All-in-one real-time PCR master mixes in two formats:
 - RealQ Plus Green - based on DNA-binding fluorescent dye detection
 - RealQ Plus for Probe – optimized for probe chemistries
- Convenient hot start capability for setup at room temperature
- Available with different levels of ROX reference dye



PureIT ExoZAP PCR CleanUp

One-step PCR clean-up in 5 minutes

- Improved DNA sequencing results
- No need for spin columns or magnetic beads
- No sample loss



Taq DNA Polymerase with Ammonium Buffer Ideal choice for routine PCR applications

- Processes up to 5 kb
- No proofreading – lacks a 3' - 5' exonuclease activity
- Leaves 3'dA overhang
- dUTP incorporation possible
- Use with Ammonium Buffer for minimum optimization of PCR setup



TEMPase Hot Start DNA Polymerase with Ammonium Buffer High specificity and high yield - for routine PCR applications

- Chemically modified version of Taq DNA Polymerase
- Allows for reaction setup at room temperature
- Improved specificity, sensitivity, and PCR yield
- dUTP incorporation possible
- Use with Ammonium Buffer for minimum optimisation of PCR setup



Taq DNA Polymerase Glycerol Free For automation and lyophilization

- Glycerol free storage buffer
- Choose between 5 U/μl, 50 U/μl, and 100 U/μl
- High stability
- Ideal for PCR kit manufactures



TEMPase Hot Start DNA Polymerase Glycerol Free For automation and lyophilization

- Glycerol free storage buffer
- Allows for reaction setup at room temperature
- Increased specificity and sensitivity
- High stability
- Ideal for PCR kit manufactures



TIP Choose the right buffer

Ammonium Buffer is the best buffer to choose for most applications. It promotes robust amplification, high yield, and high specificity.

More buffer variants are available at ampliqon.com



TEMPase Hot Start Master Mix BLUE **For direct gel loading**

- Ready-to-use PCR mix
- Direct loading onto agarose gel
- Red dye visualization of pipetting, mixing, and loading
- Allows for reaction setup at room temperature
- Timesaving – due to fewer handling steps



Multiplex TEMPase Master Mix **For fast and easy multiplexing**

- Amplification of multiple targets in a single tube
- All-in-one master mix for convenient multiplexing
- High specificity, sensitivity, and product yield
- Allows for reaction setup at room temperature



GC TEMPase master mixes **For the amplification of GC-rich DNA sequences**

- High success rate of GC-rich DNA amplification
- All-in-one 2x master mixes for great convenience
- Allows for reaction setup at room temperature
- Optimized buffer systems for successful amplification of GC-rich DNA targets



DryTech TEMPase 5x master mixes **Lyophilized PCR**

- All-in-one 5x PCR master mix
- Shipping at ambient temperature
- Stable at room temperature ($\leq 25\text{ }^{\circ}\text{C}$) for 12 months from date of receipt
- Easily reconstituted in 5x DryTech Buffer
- Allows for reaction setup at room temperature



RealQ Plus One-step RT-PCR Kit **Optimized for detection of viral and low-copy RNA templates**

- 1-step reverse transcription and real-time PCR setup
- 5x RT-PCR mix for high sample volume input
- Efficient cDNA synthesis
- Ideal for high-throughput testing



Loading buffers

Choose between four different tracking dyes

- Ready-to-use buffers
- 5x formulation
- Four loading buffers with different tracking dyes and migration fronts



Iqon DNA Ladders

For direct gel loading and easy visualization

- Clear and distinct bands
- Blue dye front running at 100 - 300 bp at 1 - 1.6 % agarose
- Variety of molecular ranges available:
Mini DNA Ladder, 100 - 500 bp | Low DNA Ladder 100 - 1.000 bp | PCR Ladder, 100 - 3.000 bp



dNTPs

High quality dNTPs

- High purity > 98%, estimated by HPLC
- Available as:
 - dNTP mixes – 40 mM or 100 mM
 - dNTP sets – 100 mM
 - Single dNTPs - 100 mM



PCR Grade Water

Ultrapure water for PCR

- Free of endonuclease, nicking, and exonuclease activity
- Free of human DNA
- Available in different sizes: 5 ml, 500 ml, or 1000 ml.



G2 DNA/RNA Enhancer

Extraction from difficult matrices

- Optimizes DNA and RNA extraction efficiency
- Inhibits DNA and RNA sorption to clay particles
- Increases microbial DNA and RNA yield from clay - at least 2-10 fold
- Available in 0.1- and 1.4-mm beads

PCR ENZYMES MADE IN DENMARK

For more information or place an order, please contact Ampliqon:

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