



Performance and Benchmark Analysis

NZYSpeedy qPCR Green Master Mix vs
NZYSupreme qPCR Green Master Mix vs
Competitors



NZYtech
genes & enzymes

NZYSpeedy qPCR Green Master Mix vs NZYSupreme qPCR Green Master Mix VS Competitors



From **Swift** to **Supreme** Speed Meets Precision

The NZYtech's NZYSpeedy qPCR Green Master Mix, the best choice for researchers seeking rapid and efficient results in their PCR experiments, is a carefully crafted master mix, purpose-built for fast cycling protocols, ensuring quick and accurate amplification of DNA targets.

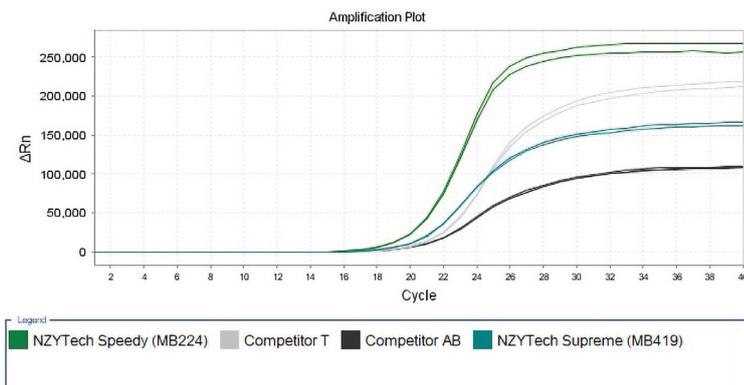
The premier choice for High Specificity is NZYtech's NZYSupreme qPCR Green Master Mix. This master mix goes beyond just speed, offering improved efficiency, sensitivity, and reliability even when detecting low-expression genes. In a head-to-head challenge against not only our very own NZYSpeedy qPCR Green Master Mix but also an array of premier market leaders, NZYSupreme demonstrates unparalleled specificity, enhancing your confidence in every experiment. Read on for a comprehensive analysis.

Fast Cycling qPCR

NZYSpeedy qPCR Green Master Mix

NZYtech's NZYSpeedy qPCR Green Master Mix:
a very fast master mix and the best option for fast
cycling protocols

NZYtech's **NZYSpeedy qPCR Green Master Mix (MB224)** stands out as an exceptional choice for researchers seeking rapid and efficient results in their PCR experiments. With its remarkable speed and performance, this master mix is tailor-made for fast cycling protocols and it offers an ideal solution for those who require quick and accurate amplification of DNA targets. Whether you are working on time-sensitive experiments or simply looking to enhance your laboratory efficiency, **NZYSpeedy qPCR Green Master Mix** is your trusted companion, ensuring that your PCR reactions run efficiently and swiftly while **delivering reliable and consistent results**. It represents a commitment to excellence in molecular biology research, empowering scientists to achieve their goals **with speed and efficiency**.



Amplification of the *rpl27* housekeeping gene from 15 ng of mouse cDNA using a standard fast cycling protocol. The speed of detection was analysed for 4 master mixes based on green intercalating dye qPCR. NZYtech's NZYSpeedy qPCR Green Master Mix originates the most rapid detection signal when comparing with other qPCR master mixes.

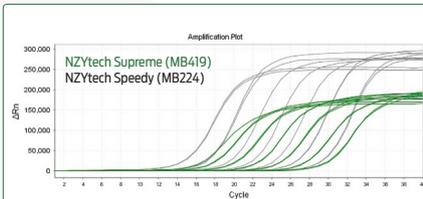
NZYSupreme qPCR Green Master Mix

Improved efficiency, sensitivity and reliability even on low-expression genes

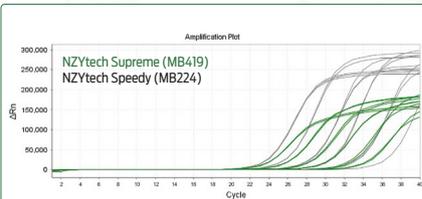
An accurate and highly sensitive master mix with superior performance in a vast range of applications, including detection of low-copy number targets.

NZYtech's **NZYSupreme qPCR Green Master Mix** is the epitome of accuracy and sensitivity in the realm of qPCR master mixes. Its exceptional performance extends across a wide array of applications, making it a versatile choice for researchers. One of its standout features is its unparalleled sensitivity, which allows for the detection of low-copy number targets with utmost precision. Whether you're conducting gene expression studies, pathogen detection, or any other qPCR-based experiment, **NZYSupreme qPCR Green Master Mix** is your trusted companion. It embodies a commitment to excellence in molecular biology research, enabling scientists to **explore new frontiers with confidence**, knowing that their **results will be both accurate and highly sensitive**.

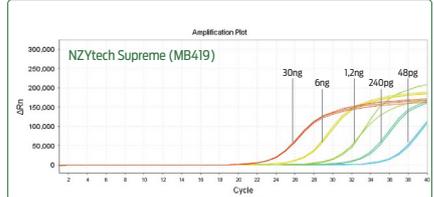
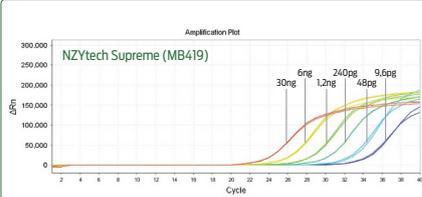
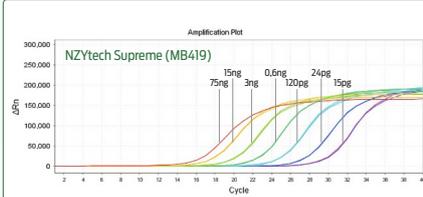
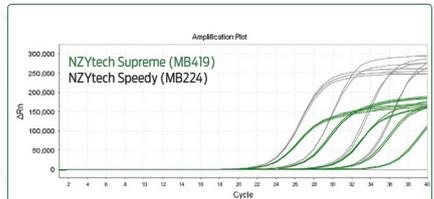
Mouse housekeeping gene



Human gene 1



Human gene 2

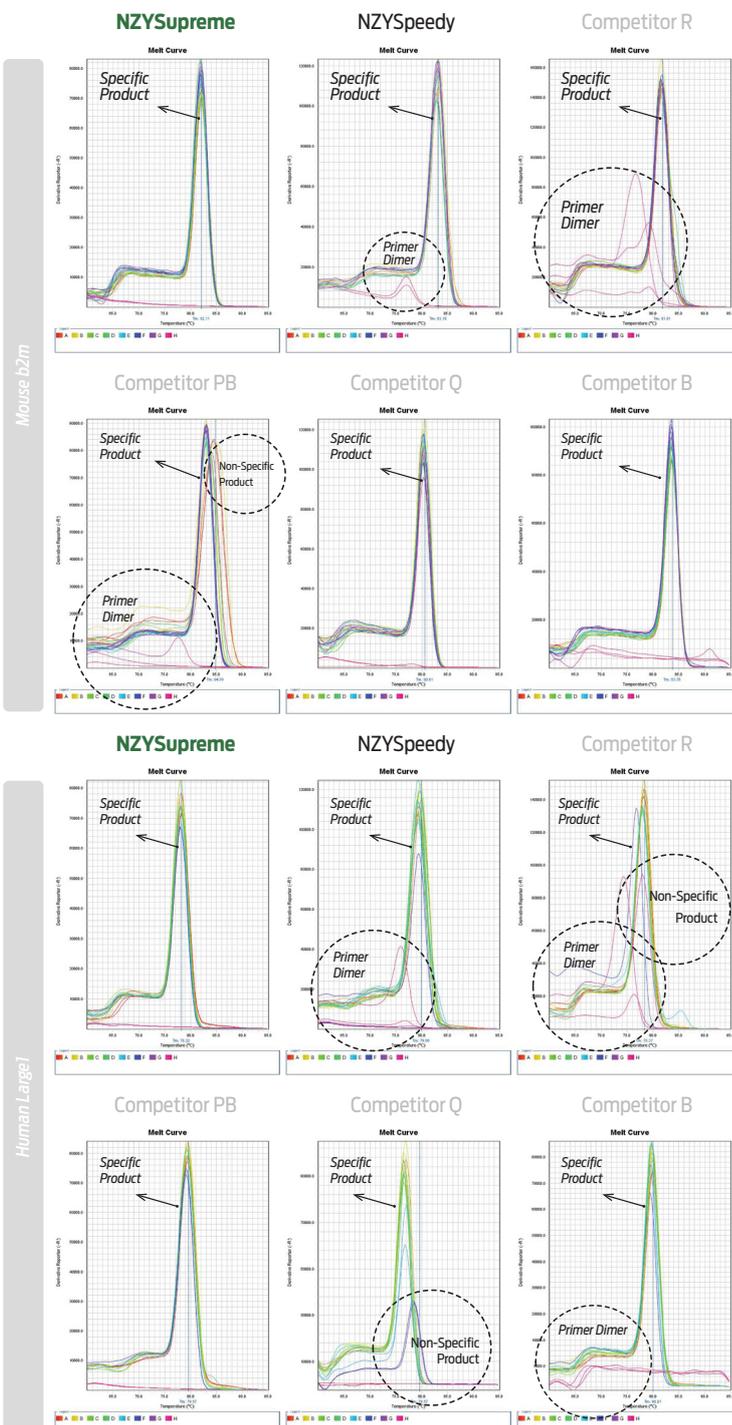


	Mouse housekeeping gene		Human gene 1		Human gene 2	
	Efficiency	Detetion Range*	Efficiency	Detetion Range*	Efficiency	Detetion Range*
NZYSupreme qPCR Green Master Mix	101.1%	6	106.5%	7	75.3%	5
NZYspeedy qPCR Green Master Mix	92.4%	6	89.5%	7	66.4%	4
Competitor AB	94.0%	6	111.5%	7	73.0%	5
Competitor B	104.6%	6	100.9%	7	75.6%	5
Competitor N	96.8%	6	99.7%	7	71.0%	5
Competitor P	99.3%	6	70.2%	7	40.9%	4
Competitor Q	101.6%	6	85.5%	7	62.9%	5
Competitor QB	99.7%	6	107.6%	7	67.3%	5

(*) Detection range is expressed as number of detected 5-fold dilutions

NZYSupreme qPCR Green Master Mix

High specificity | Increased Confidence on your experiences



In a comprehensive benchmarking analysis, we compare NZYtech's NZYSupreme qPCR Green Master Mix to not only our very own NZYSpeedy qPCR Green Master Mix but also other notable competitors.

Here we go through an insightful evaluation, where we carefully examine performance, accuracy and sensitivity, showcasing how the NZYSupreme provides exceptional specificity, instilling confidence in every experiment.

NZYSupreme qPCR Green Master Mix (x2)



NZYSupreme qPCR Green Master Mix is a high-performing and easy-to-use mixture for real-time PCR. It features a dual hot-start enzyme control mechanism and it is optimized for DNA-intercalating dye detection on various instruments.

 **Storage Conditions:** -85 °C to -15 °C

Unit Size:
2 x 1 mL (200 rxns of 20 µL) · MB41901
5 x 1 mL (500 rxns of 20 µL) · MB41902
20 x 1 mL (2000 rxns of 20 µL) · MB41903

Request
Sample



NZYSpeedy qPCR Green Master Mix (x2)



NZYSpeedy qPCR Green Master Mix is an optimized and highly efficient reaction mixture developed for real-time PCR. This master mix enables fast and highly reproducible procedures on the most common real-time PCR apparatus.

 **Storage Conditions:** -85 °C to -15 °C

Unit Size:
2 x 1 mL (200 rxns of 20 µL) · MB22401
5 x 1 mL (500 rxns of 20 µL) · MB22402
20 x 1 mL (2000 rxns of 20 µL) · MB22403

Request
Sample



NZYSpeedy qPCR Green Master Mix (2x), ROX



The presence of ROX reference dye in the master mix enables to increase confidence in data analysis, since it allows to normalize non-PCR-related fluctuations in fluorescence.

Storage Conditions: -85 °C to -15 °C

Unit Size:

2 x 1 mL (200 rxns of 20 µL) · MB22301
5 x 1 mL (500 rxns of 20 µL) · MB22302
20 x 1 mL (2000 rxns of 20 µL) · MB22303

Request Sample



NZYSpeedy qPCR Green Master Mix (2x), ROX plus



The inclusion of ROX plus internal passive reference dye in the master mix prevents data misinterpretation and allows to detect and diagnose errors.

Storage Conditions: -85 °C to -15 °C

Unit Size:

2 x 1 mL (200 rxns of 20 µL) · MB22201
5 x 1 mL (500 rxns of 20 µL) · MB22202
20 x 1 mL (2000 rxns of 20 µL) · MB22203

Request Sample



NZYSupreme qPCR Green Master Mix (2x), ROX



Dual hot-start and ultra-sensitive master mix, containing ROX reference dye for fluorescence normalization

Storage Conditions: -85 °C to -15 °C

Unit Size:

2 x 1 mL (200 rxns of 20 µL) · MB44101
5 x 1 mL (500 rxns of 20 µL) · MB44102
20 x 1 mL (2000 rxns of 20 µL) · MB44103

Request Sample



NZYSupreme qPCR Green Master Mix (2x), ROX plus



High-performing master mix designed to provide ultra-sensitivity coupled with high reproducibility. The inclusion of ROX plus allows optimized detection on various instruments.

Storage Conditions: -85 °C to -15 °C

Unit Size:

2 x 1 mL (200 rxns of 20 µL) · MB44001
5 x 1 mL (500 rxns of 20 µL) · MB44002
20 x 1 mL (2000 rxns of 20 µL) · MB44003

Request Sample



One-step NZYSpeedy RT-qPCR Green kit



An optimized and efficient reaction mixture designed for cDNA synthesis and real-time PCR in a single tube. It includes a One-step NZYSpeedy qPCR Green master mix and a separate NZYRT mix for reverse transcription.

Storage Conditions: -85 °C to -15 °C

Unit Size:

1 mL (100 rxns of 20 µL) · MB34601
5 x 1 mL (500 rxns of 20 µL) · MB34602

Request Sample



One-step NZYSpeedy RT-qPCR Green kit, ROX



A versatile RT-qPCR solution, containing Rox passive reference dye.

Storage Conditions: -85 °C to -15 °C

Unit Size:

1 mL (100 rxns of 20 µL) · MB34501
5 x 1 mL (500 rxns of 20 µL) · MB34502

Request Sample



One-step NZYSpeedy RT-qPCR Green kit, ROX plus



A versatile RT-qPCR solution, containing ROX plus for optimized detection.

Storage Conditions: -85 °C to -15 °C

Unit Size:

1 mL (100 rxns of 20 µL) · MB34401
5 x 1 mL (500 rxns of 20 µL) · MB34402

Request Sample



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