



MyTaq™ HS Red Mix

Cat No. **Size**

BIO-25047 200 x 50µl Reactions

BIO-25048 1000 x 50µl Reactions

MyTaq™ HS Red Mix is a ready-to-use, direct gel load, red colored, 2x mix for fast, highly-specific hot-start PCR.

MyTaq HS Red Mix is powered by antibody mediated hot-start and does not possess polymerase activity during the reaction set-up, thus reducing non-specific amplification. The advanced formulation of MyTaq HS Mix allows fast cycling conditions to be used, greatly reducing the reaction time without compromising PCR specificity and yield.

Features & Benefits

- **Extremely sensitive** - delivering very high yields
- **Highest performance and specificity** - resulting from proprietary buffer system and MyTaq enzyme
- **Convenient** - all-in-one mastermix contains all reaction components in an optimized reaction system
- **Ready to use** - red dye and formulation for direct gel loading
- **Fast activation times** - powered by new generation antibody-based hot-start polymerase
- **Flexible** - fast PCR or standard PCR reactions both possible

Applications

- High-throughput PCR
- Assays with prolonged reaction setup on the bench or liquid handling
- Amplification of challenging targets susceptible to mispriming
- Multiplexing
- Colony PCR
- Specific amplification of difficult templates (GC rich)
- Genotyping
- TA cloning
- Two-Step RT-PCR



Instrument Compatibility

Compatible with Fast and Standard PCR instruments.

Description

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MyTaq HS Red Mix contains all the reagents including MyTaq buffer, dNTPs, MgCl₂, enhancers and stabilizers necessary for trouble-free PCR reaction set up. The product is conveniently supplied all-in-one tube to reduce the number of pipetting steps and to facilitate increased efficiency, throughput and reproducibility. This makes MyTaq HS Red Mix perfect for techniques such as for multiplex PCR that require the ability to define a set of common reaction parameters to all of the primer sets in the reaction, with comparable extension efficiencies, even though the amplicons are different sizes. MyTaq HS Red Mix enables success in multiplex PCR at the first attempt and can even be used for fast multiplex PCR, without special kits, buffers or optimization.

The specially designed MyTaq Red formulation does not interfere with the PCR reaction and allows users to load samples directly onto a gel after the PCR without the need to add loading buffer, making MyTaq HS Red Mix ideal for automation. The red dye migrates like a 350bp fragment on a 2% agarose TAE gel (or 600bp on a 1% agarose).

MyTaq HS Red Mix only requires the addition of template, primers and water, reducing the risk of pipetting errors and contamination as well as reducing the set-up time.

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