Genetika Science | TOYOBO

Quick Taq™ HS DyeMix

Simply Mix, Amplify, and Load

Streamline Your PCR Workflow

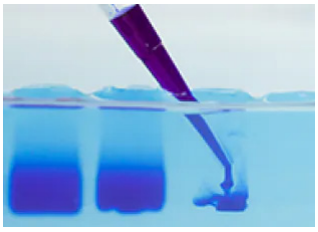
Simplify your amplification steps with **Quick Taq™ HS DyeMix**, a highly efficient Taq-based 2x master mix PCR reagent. Formulated with an integrated electrophoresis dye (Bromophenol Blue) and anti-Taq antibodies for hot start PCR, this reagent contains all the components you need to achieve robust and reliable results. **Just add your primers and template DNA for specific, efficient amplification**. By integrating the loading dye directly into the mix, it empowers researchers to bypass time-consuming preparation steps and proceed directly to agarose or acrylamide gel analysis. Backed by superior stability and exceptional sensitivity, it is the ideal choice for elevating your general and colony-direct PCR assays.

Exceptional Stability

Robust formulation that **remains stable for at least three months at 4°C.** Remarkably, no decrease in reaction efficiency is observed even after 30 freeze-thaw cycles.

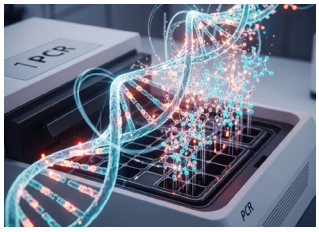
Superior Hot-Start

Powered by anti-Taq antibodies, Toyobo Hot Start technology **ensures highly specific and sensitive PCR**, minimizing non-specific amplification and background noise during setup.



Direct-to-Gel Analysis

Contains Bromophenol Blue as an electrophoresis dye. Your PCR products can be directly loaded and analyze **without the need for additional loading buffers.**

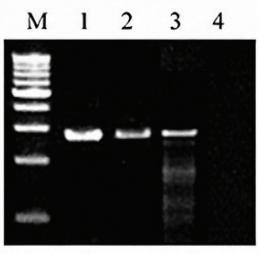


Unmatched Efficiency

Enables significantly greater PCR performance compared to others Taq DNA polymerase, ensuring **reliable results for both routine and challenging assays.**

Amplification of The Human p53 Genes (2.9 kb)

The human p53 genes (2.9 kb) was amplified using 50 ng of human genomic DNA. Quick Taq™ HS DyeMix successfully amplified the targets:



94°C, 2 min.
94°C, 30 sec.
60°C, 30 sec.
68°C, 1 min.
40 Cycles

M: 1 kb Ladder
1: Quick Taq™ HS DyeMix
2: rTaq DNA polymerase (hot start)
3: rTaq DNA polymerase
4: Taq Master Mix (Company A)
Template: Human genomic DNA 50 ng / 50 µL reaction
Forward Primer: AATGGATGATTTGATGCTGTCCC
Reverse Primer: ATAAGAGCTCCCAAGACTTAG
*Final concentration 0.2 µM

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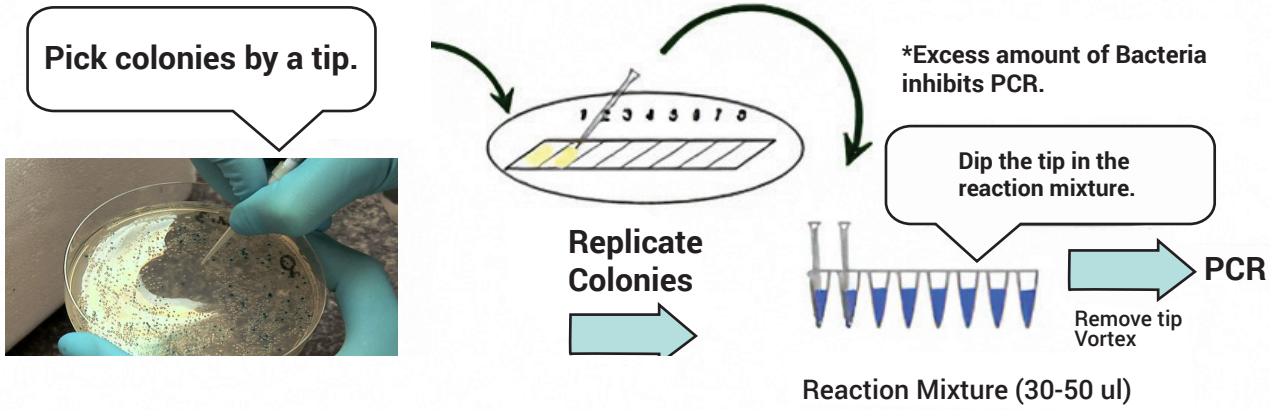
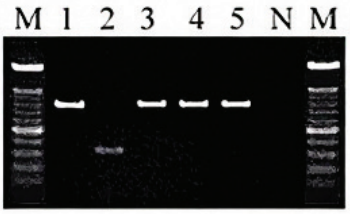
Insert Amplification by a Colony-Direct PCR

The inserts were amplified using Quick Taq™ HS DyeMix with universal primers from E. coli DH5α colonies bearing pTA2 plasmid (insert size: 500 bp). Quick Taq™ HS DyeMix successfully and efficiently amplified all targets.





94°C, 2 min.
94°C, 30 sec.
60°C, 30 sec.
68°C, 1 min.
25 Cycles

M: 100 bp Ladder Markers
1: Colony (insert +)
2: Colony (insert -)
3: Colony (insert +)
4: Colony (insert +)
5: Colony (insert +)
N: Negative Control
M: 100 bp Ladder Marker
Forward Primer: CGCCAGGTTTTCCCAGTCACGAC
Reverse Primer: AGCGGATAACAATTTCACACAGGAAAC
*Final concentration 0.2 µM

Ordering Informations

Taq DNA Polymerase Master Mix (Hot Start)
Quick Taq™ HS DyeMix

Code No. DTM-101
100 reactions [50 µL per reaction]

Scan QR Code for Further Informations:

SCAN HERE

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