DTI JadeAmp FabTaq Premix

Green color dye added

PCR Master Mix

Green colored dye added mastermix for great performance and convenience

Made in India

DTI JadeAmp FabTaq Premix is a loading-dye-added version of JadeAmp FabTaq Premix that is optimized for great performance and convenience in both standard and high-throughput PCR applications. This master mix includes an optimized buffer, PCR enzyme, dNTP mixture, gel loading dye (green), and a density reagent in a 2X premix format. Simply add primers and DNA template. Following PCR, amplicons can be used directly in several ways.

PCR tube contents can be loaded directly onto an agarose gel for electrophoresis or used directly in downstream applications such as restriction enzyme digestion, TA cloning, and direct sequencing. DTI JadeAmp FabTaq Premix can be used to amplify genomic targets up to ~5 kb and is compatible with GC- and AT-rich targets.

When 5 µl of the loading-dye-added PCR master mix is used for electrophoresis on an 1% Agarose gel, the blue dye front is detected around 3–5 kb, and the yellow dye is detected below 50 bp. These dyes have absorptions at approximately 260 nm and 420 nm, respectively. The dyes can be removed by gel purification or PCR cleanup using the NucleoSpin Gel and PCR Clean-Up kit (where available), if necessary.

Application

- High throuput PCR

Want to know more? Scan QR code

Why Choose DTI Brand ?

DTI is our new in-house brand, we are manufacturing products in India, where we can design products for you and deliver them to you at affordable prices.

ISO 9001 certification

Quick Turn around time

Affordable Price

Strict temperature Control

Product customization

Specifications

- Convenient premix format—just add template, primers, and water to the 2X PCR master mix
- Improved performance—includes an optimized buffer for better amplification of GC- and AT-rich targets
- Eliminates purification steps—PCR contents can be loaded directly onto an agarose gel
- High-throughput PCR—use reactions directly in TA cloning, restriction enzyme digestion, or sequencing
- Green loading dye—allows tracking during gel electrophoresis

Amplification of GC-rich targets

Our results showed that the non-hot-start DTI JadeAmp FabTaq Premix and DTI JadeAmp Max HiFid Taq Premix master mixes gave minimal background amplification with GC-rich targets. Non-hot-start MyTaq Red Mix, on the other hand, resulted in nonspecific amplification and was unable to amplify the target with a high GC content (72.3%). While EmeraldAmp GT failed to amplify the TGFB-1 gene that is 4 kb long with a 63.1% GC content, EmeraldAmp MAX was able to generate a clean and distinct band. We were unable to amplify the 4-kb TGFB-1 target using Competitor (C) Red Mix.

Gel showing amplification profiles of four GC-rich target genes using JadeAmp FabTaq Premix and DTI JadeAmp Max HiFid Taq Premix master mixes, or Competitor(C) Red Mix.

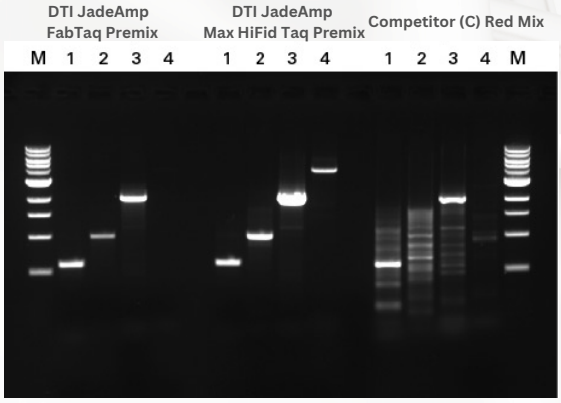

Figure 1: Comparison of amplification profiles of four GC-rich target genes using JadeAmp FabTaq Premix and JadeAmp Max HiFid Taq Premix master mixes or Competitor (C) Red Mix. 10 µl from each PCR reaction was loaded on a 1% agarose gel.

Product	Cat. No.	Pack size
DTI JadeAmp FabTaq Premix	DT0201.80	80 Reactions
	DT0201.320	320 Reactions

Want to know more?
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