DTI JadeAmp Max HiFid Taq Premix

Green colored dye added mastermix for great performance and convenience

Made in India

The DTI JadeAmp Max HiFid Taq Premix PCR Master Mix offers a powerful and convenient option for high-yield, routine, and specific PCR. This premix formulation includes an optimized buffer, PCR enzyme, dNTP mixture, gel-loading dye (green), and a density reagent in a convenient 2X premix format. The buffer is optimized for better performance with AT or GC-rich targets, and allows amplification of long products. It is possible to amplify 15 kb genomic DNA fragments with this master mix.

Only primers and DNA template need to be added to initiate the reaction. Completed reactions can be analyzed directly via gel electrophoresis. The vivid green dye separates into blue and yellow dye fronts when the PCR product is run on an agarose gel.

Applications

- TA cloning or sequencing
- Direct gel electrophoresis
- Long and high-yield PCR

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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

Product customization

Affordable Price

Quick Turn around time

Strict temperature Control

Specifications

- Streamlined workflow—simply add template, primers, and water to the 2X master mix then load reactions directly onto gel.
- Ease-of-use—emerald green loading dye tracks migration during electrophoresis.
- High yield—obtain at least 10 times more end product.
- Long PCR—amplify targets up to 10 kb in length.
- Easy integration with downstream application—perform restriction digests directly in the PCR buffer or use in TA cloning.

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.

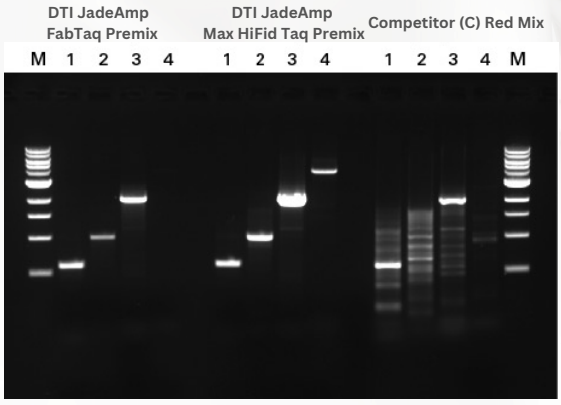

Figure 1: Comparison of amplification profiles of four GC-rich target genes using JadeAmp FabTaq Premix and JadeAmp Max HiFid Taq Premix master mixes or Competitor (C) Red Mix. 10 µl from each PCR reaction was loaded on a 1% agarose gel.

Product	Cat. No.	Pack size
DTI JadeAmp Max HiFid Taq Premix	DT0202.80	80 Reactions
	DT0202.320	320 Reactions

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DSS Takara Bio India Pvt. Ltd.
A-5, Mohan Cooperative Industrial Estate, Mathura Road, New Delhi 110044,INDIA
Toll Free: 1800-212-4922
E: enquiries@dsstakarabio.com W: www.store.dsstakarabio.com