

PCR Discovery Pack

Description

The PCR Discovery Pack is a bundle for evaluation purposes of 3 top-performing products for PCR applications. The pack includes:

1. Taq DNA Polymerase Hot-Start, an engineered Taq polymerase with aptamer-mediated hot-start functionality, eliminating non-specific amplification at lower temperatures and offering exceptional stability during extended reaction setups. Optimally suited for PCR and real-time qPCR.
2. HiFi DNA Polymerase Hot-Start, a high-fidelity, hot-start Pfu polymerase with a specialized buffer system designed for applications where accuracy matters most. Ideal for cloning, sequencing, and any workflow demanding low error rates and high processivity during amplification.
3. PlexTaq® 5x qPCR Multiplex Master Mix, our go-to solution for multiplex qPCR, featuring robust inhibitor tolerance, high-order multiplex capability, and a 5x concentration for greater primer/probe flexibility. Formulated for direct freeze-drying, eliminating the need for extra excipients.

The products can be used for real-time cycling, when combined with a suitable real-time dye or a fluorescent probe.

Instructions

Instructions for the following products are included in this discovery pack and can be found on our website:

Taq DNA Polymerase Hot-Start:

https://www.medixbiochemica.com/media/medix/amfile/attach/1101_Taq_DNA_Polymerase_Hot-Start_Manual.pdf

HiFi DNA Polymerase Hot-Start:

https://www.medixbiochemica.com/media/medix/amfile/attach/Manual_3000_HiFi_DNA_Polymerase_Hot-Start.pdf

PlexTaq® 5x qPCR Multiplex Master Mix:

https://www.medixbiochemica.com/media/medix/amfile/attach/4000_PlexTaq_5x_qPCR_Multiplex_MasterMix.pdf

Kit Components

Component	Size
Taq DNA Polymerase Hot-Start (#1101S)	
Taq DNA Polymerase Hot-Start (5 U/μL)	1 x 80 μL
10x Taq reaction buffer	2 x 1.25 mL
HiFi DNA Polymerase Hot-Start (#3000S)	
HiFi DNA Polymerase Hot-Start (2 U/μL)	1 x 0.05 mL
5x HiFi Buffer	1 x 1.7 mL
10x HiFiOpt Enhancer	1 x 1.7 mL
PlexTaq® 5x qPCR Multiplex Master Mix (#4000S)	
PlexTaq® 5x qPCR Multiplex Master Mix	1 x 0.4 mL

Storage and Shipment

Transport with cool packs. The reagents should be stored at -20°C upon arrival. The reagents are stable until the expiration date if stored correctly.

Additional information and technical resources are available on our website at:
info.medixbiochemica.com/resources.



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