

PCR Reagents

(detailed information and prices on request)

IBI enzymes are 100 % pure and nuclease free. This provides a very robust and specific amplification. The KleenGreen loading dye allows easy monitoring of the electrophoresis progress and provides a low inhibition of the PCR reaction. The dyes also prevent colour smearing on a gel, do not interfere with band visualization, and are great for photos and publications. IBI KleenGreen PCR products can be added directly to an agarose gel.



IBI Taq DNA Polymerase

IBI Taq DNA Polymerase is a highly purified enzyme that offers a very specific and robust amplification. IBI utilizes a proprietary purification process that results in contaminant- and nuclease-free Taq polymerase. IBI Taq DNA Polymerase is isolated from *Thermus aquaticus* YT1 and expressed in *E.coli*.



IBI Taq 2X Master Mix

IBI Taq Master Mixes are premixed solutions ready for routine PCR. The master mixes contain IBI Taq DNA polymerase, which is a contaminant- and nuclease-free enzyme that provides robust specific amplification. IBI Taq KleenGreen 2X Master Mix contains reaction buffer, dNTPs, MgCl₂, KleenGreen loading dye, and a density agent.



IBI Taq HotStart DNA Polymerase

IBI Taq HotStart DNA Polymerase is a chemically modified hot start enzyme excellent for preventing or minimizing non-specific DNA amplification. The novel modifying reagent creates a faster activation time, an improvement over similar chemically modified hot start enzymes. The alkaline activation condition makes for greater activity and better specific amplification which minimizes primer-dimers. The superior stability of IBI Taq HotStart also means longer shelf life.



IBI Taq HotStart Master Mix

The master mixes contain IBI Taq HotStart DNA Polymerase, reaction buffer, MgCl₂, dNTPs, KleenGreen loading dye, and a density agent.



IBI KleenGreen 2X qPCR Master Mix

IBI KleenGreen qPCR 2X Master Mix is a premixed solution ready for fast and standard qPCR. This master mix contains IBI Taq HotStart DNA Polymerase, KleenGreen dye, reaction buffer, and dNTPs. A ROX reference dye is supplied separately for use with some thermocyclers.



UltraPure dNTPs

IBI UltraPure dNTP (Deoxynucleotide) Solution is a premixed, equimolar solution of ultrapure dATP, dCTP, dGTP, and dTTP. The high purity of IBI UltraPure dNTP Solution contributes to increased amplification sensitivity and product yield. IBI dNTPs are ideal for standard and sensitive PCR applications.

Also in our portfolio:



Agarose

Designed for use in many electrophoresis applications. Offered in a wide variety of package sizes to fit the needs of any research lab. Each bottle of agarose comes packaged with a specification sheet, preparation instructions, and MSDS (material safety data sheet) for your convenience.



Electrophoresis Systems

Various vertical and horizontal chambers for one or more gels and a variety of applications: high throughput, high resolution, sequencing etc.



dNTP Mixes, Dyes, and DNA Markers

Ultrapure dNTPs, various dyes to visualize DNA and RNA in gels, markers for different nucleotide size ranges.



4 channel Cobra

The Cobra line of non-contact nano-dispensers is available with 1 or 4 channels and for dispense volumes ranging from 300 nl to 5 ml. It allows fast on-the-fly dispensing, which quickly fills all kinds of microplates. The Cobra can be used in aspirate/dispense mode or bulk-dispense mode. It is ideal to pipet PCR samples and master mixes, takes up very little bench space, allows low volume reactions and saves expensive reagents.

- Ideal for PCR Master Mix dispensing
- Fast dispensing in PCR, Deep Well, and multiwall plates (96, 384, and 1536 wells)
- Dispense up to 4 independent reagents, with different volumes into different wells
- Switch between aspirate, dispense and bulk dispense in one run
- Integrated wash system



High Quality Single and Multi Channel Pipettes



- Electronic pipettes
 - 1 or 8 channels
 - Pipetting volumes: 2 μ l to 1200 μ l
- Manual Single Pipettes
 - 3 models for PCR applications: ecopipette, Bravo, and Tri-volume
 - Pipetting volumes: 0.1 μ l to 1000 μ l
- Manual Multi Channel Pipettes
 - 8, 12, 16, 48, or 64 channels
 - Pipetting volumes: 0.2 μ l to 300 μ l