

BlueAmp PCR Reagent Series

Streamlining Daily PCR Process



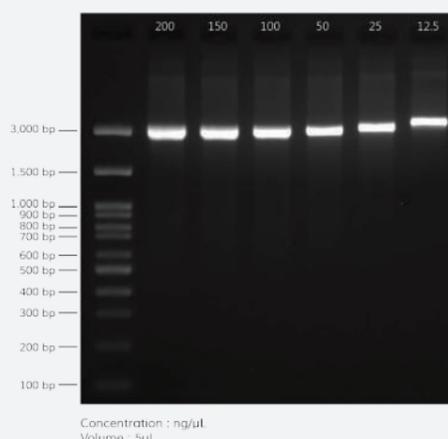
High-Quality, Fully Compatible with Blue-Ray Biotech's PCR Thermal Cycler Series

BlueAmp PCR reagent series comes with an optimized buffer system that makes them convenient and ready-to-use. Moreover, to streamline daily routine PCR screening, we offer PCR master mixes and stain-free loading dye that have no need to perform a post-staining process. Simplify process from PCR to gel electrophoresis.

BlueAmp DNA SafeDye

A non-mutagenic fluorescent reagent that produces instant visualization of DNA bands upon blue light or UV illumination of agarose gels. Supplied in 6X DNA Loading Buffer, BlueAmp DNA SafeDye is used to prepare DNA markers and samples for loading on agarose or polyacrylamide gels.

- > **Safe**
The absence of mutagenicity
- > **Low Environmental Impact**
Compliance with the Clean Water Act standards.
No water pollution concern
- > **Sensitivity**
High degree of sensitivity as ethidium bromide
- > **Convenience**
Ready to use; same application procedures as the 6X Loading Dye
- > **Speed**
No de-staining requirement, low background value, an image displayed after coupling with the nucleic acid
- > **Compatibility**
Use blue light or UV to detect the signal; broad compatibility range
- > **Economic**
Non-hazardous product; no expenses required for waste management



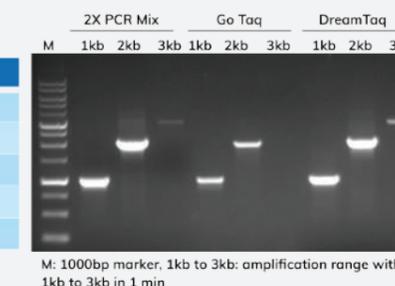
BlueAmp 2X PCR Mix

A cocktail of calculated amounts of Mg²⁺, dNTPs, and recombinant Taq DNA Polymerase for highly efficient amplification of nucleic acid templates by the PCR.

- > **Storage and Heat Endurance**
Stable at 37°C for 21 days
- > **High Speed**
Amplify 2kb product in 1 minute extension
- > **High sensitivity**
The detection range can be as low as 3 template copies
- > **Amplification of long targets up to 5kb**
Amplicon size up to 5kb

Cycle	Temperature	Time
1	95°C	05:00
30	95°C	00:30
	72°C	01:00
1	72°C	05:00
	14°C	99:99

* Lambda DNA from NEB N3011



BlueAmp 2X PCR Mix w/ FluoDye

A pre-mixed solution containing Taq DNA polymerase, PCR buffer, dNTP, gel loading dyes, enhancer, and fluorescence dye. The mixture includes the gel loading dye, allowing user loading to gel for electrophoresis right after the PCR. Moreover, after electrophoresis, the gel is ready to detect by blue LED or UV illuminator since the mixture contains a fluorescent dye.

- > No post-staining processing of DNA required
- > Direct loading onto the agarose gel for electrophoresis
- > Speed – Benefit from quick set up of PCR reaction such as colony PCR when screening for positive clones
- > Compatibility – Use blue light or UV to detect the signal



BlueAmp 100Marker w/ FluoDye

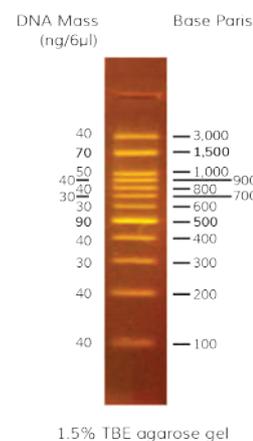
A DNA ladder designed for direct loading onto unstained agarose gels. The ladder is supplied in a ready-to-use format containing the fluorescent and tracking dyes. There is no need for additional staining to visualize the ladder.

- > No-post-staining process
- > Direct loading onto your agarose gel for analysis
- > Superior replacement for the ethidium bromide or SYBR[®] Green I



Specifications

Range	100 - 3,000 bp
Number of bands	12
Concentration	90 µg / ml
Package	54ug / 600ul
Recommended Load	6 µl / well



1.5% TBE agarose gel

Ordering Information

Cat. No.	Description	Size	Component
BRPR012-000000	BlueAmp 2X PCR Mix	100 rxn	1 × 1.25 ml
BRPR052-000000	BlueAmp 2X PCR Mix	500 rxn	5 × 1.25 ml
BRPR012-000001	BlueAmp 2X PCR Mix w/ FluoDye	100 rxn	1 × 1.25 ml
BRPR052-000001	BlueAmp 2X PCR Mix w/ FluoDye	500 rxn	5 × 1.25 ml
BRPR292-000000	BlueAmp DNA SafeDye	1,000 rxn	1 × 1 ml
BRPR212-000000	BlueAmp 100Marker w/ FluoDye	100 rxn	1 × 600 µl

Authorized Distributor

