BST Prime ISOMix with EvaGreen® Dye

Enzymes and Reagents

PCR | qPCR | RT | Kits | Oligonucleotides

Performance

Empirical Bioscience BST Prime ISOMix with EvaGreen® dye is a complete 2X concentrated master mix for isothermal amplification of DNA. The mix is based on a genetically optimized BST polymerase that allows rapid and specific amplification of DNA at constant temperature (60 to 65 °C). The enzyme shows high strand displacement activity and generates an amplification factor of up to 109 which is comparable to approx. 30 cycles in a PCR assay.

The mix has been optimized for LAMP amplification reactions. LAMP technique allows detection of a target gene within 10 - 30 minutes.

The mix contains the fluorescent DNA stain EvaGreen® that intercalates into DNA during the amplification process and allows the direct quantification of target DNA by fluorescence detection (analogous to real-time PCR).

Dye Fluorescence: λexc 500 nm (EvaGreen® bound to DNA), λem 530 nm (EvaGreen® bound to DNA)

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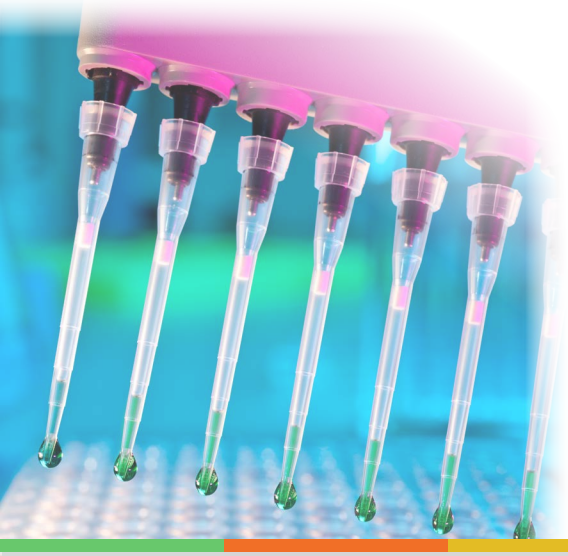

Features

- Complete mix with EvaGreen® Green Intercalating Dye included
- LAMP Compatible Mix
- Rapid and Specific Amplification
- High Strand Displacement Activity
- High Thermal Stability (90C for 5 Min)
- Lyophilization Compatible

Item Number	Units
BST-MMWD-0025	2.5ml
BST-MMWD-0125	12.5ml
BST-MMWD-0250	25.0ml

Content

- BST Prime Polymerase, dNTPs, EvaGreen® DNA Intercalating Dye, glycerol, stabilizers

Concentration

- 2X

Supplied With

- Rxn buffer, 500 nM Rox Reference Dye

Empirical™ bioscience

TO ORDER, REQUEST SAMPLES OR FOR MORE INFORMATION, CONTACT:
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