

## Product Datasheet

### Fast Bst RT Mix #8601

**Product Name** Fast Bst RT Mix

**Catalog Number** #8601

**Description** Fast Bst RT Mix is a ready-to-use mix containing recombinant DNA polymerase expressed by *Geobacillus stearothermophilus*. The Bst DNA polymerase displays high strand displacement activity, exhibits 5' to 3' polymerase activity, but lacks 5' to 3' exonuclease activity. Fast Bst RT Mix also contains an efficient thermostable reverse transcriptase with an RNase inhibitor (RTase Amp) to prevent degradation of RNA templates by RNases. Fast Bst RT Mix is tolerant to inhibitors, enabling rapid and robust isothermal nucleic acid amplification reactions at a constant temperature. The typical reaction temperature is 65°C. Addition of an intercalating dye allows the reaction to be monitored using a real-time PCR instrument.

**Tested Applications** Isothermal

**Brand** Medix Biochemica

**Storage** -20°C

**Content** 100 rxn: 1 x 1.25 ml 2x Fast Bst Mix; 1 x 0.2 ml RTase Amp; 1 x 0.125 ml 20x Fluorescent dye  
500 rxn: 4 x 1.6 ml 2x Fast Bst Mix; 1 x 1 ml RTase Amp; 1 x 0.625 ml 20x Fluorescent dye