

## Titan™ One Tube RT-PCR System . . . Take RT-PCR Sensitivity and Convenience to New Heights

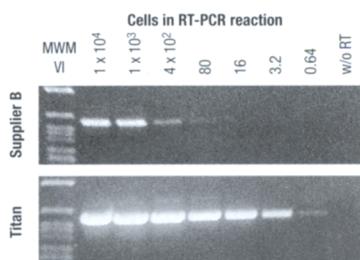
Like to top the RT-PCR performance you're getting from M-MuLV RNase H<sup>+</sup> Reverse Transcriptase and *Taq*? With higher yields and no requirement to change buffers between the RT and PCR steps? By switching to Boehringer Mannheim's Titan™ One Tube RT-PCR System, now you can!

### Exceed the sensitivity limits of the two-step RT-PCR method

In side-by-side comparisons, the Titan System delivers superior sensitivity, detecting mRNAs in a single cell equivalent, while the traditional two-step method using an RNase H<sup>+</sup> RT and *Taq* requires 400 cell equivalents for detection!

#### Achieve better results with less effort

- **specificity**—Perform RT reactions at elevated temperatures (50–60°C) to overcome problems arising from complex secondary structures. By minimizing false priming, this ensures better PCR specificity.
- **convenience**—Avoid the need to change buffers between the RT reaction and PCR with this "set up and walk away" system. This eliminates 4 pipetting steps and reduces the need for additional optimization. You'll increase the reliability of your results while reducing the risk of contamination.



**RT-PCR of β-actin transcript from K562 cells.**  
The Titan System delivers results that are >100 times more sensitive than those of Supplier B's M-MuLV RNase H<sup>+</sup> + *Taq* RT-PCR method.

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### Switch to the Titan System today!

Enjoy improved results and productivity by ordering a trial size (Cat. No. 1888 382, 25 reactions) of the Titan™ One Tube RT-PCR System from Boehringer Mannheim—your Partner for Premium Performance RT-PCR.

Titan™ is a trademark of Boehringer Mannheim. Purchase of this product is accompanied by a limited license to use it in the Polymerase Chain Reaction (PCR) process for life science research in conjunction with a thermal cycler whose use in the automated performance of the PCR process is covered by the up-front license fee, either by payment to Perkin-Elmer or as purchased, i.e., an authorized thermal cycler.

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**COVER** Integrated microfabrication technologies. Shown is an optical photograph overview of a silicon wafer with several 1.25  $\times$  1.25-cm DNA processing units, each containing about 30 different electrophoresis channel and photodiode configurations. (For details, see Burke et al., p. 189).