

# PCR. ENHANCED.

Improve Your PCR Performance with PCRboost™. Simply.

PCRboost™ is a reagent that enhances end-point and reverse transcription-PCR performance **fivefold or more** by improving sensitivity and specificity during amplification of genomic DNA or RNA templates.

## Greatly improves amplification of difficult samples.

Enhance yield, specificity and consistency. Amplification is dramatically improved for all sample types, including:

- Trace samples ( $\leq 1$  ng)
- Degraded samples
- Low-copy transcripts
- Multiplexing (e.g., STR analysis)
- Samples containing inhibitory factors

## No changes to your end-point or reverse transcription-PCR protocol; simply replace the water in your reaction.

- Can be used with most commercial Taq polymerase.
- Use your own cycling conditions and equipment.
- Chemically stable reagent—will not change melting or annealing temperatures.
- PCR products compatible with all downstream applications.

## Save time by reducing the number of reaction cycles.

### India Contact:

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Enhance your most  
challenging samples.

Easy to use.

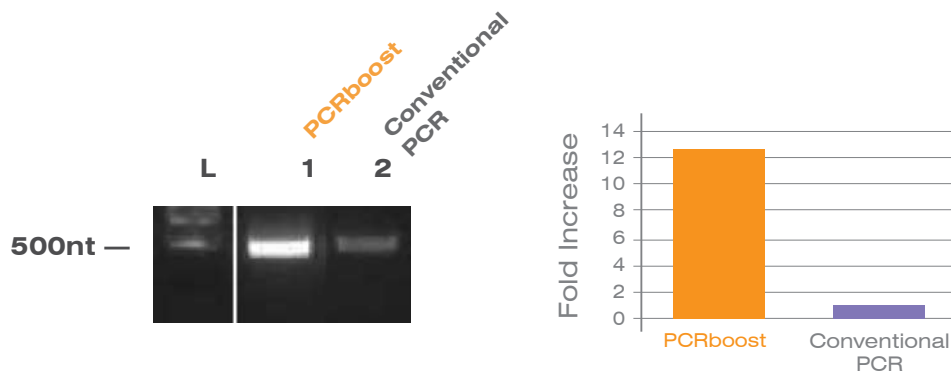
Reduced number  
of cycles.

Store at room  
temperature; no  
freeze thaw.



### Superior end-point PCR results with PCRboost.

Amplification with PCRboost™ is superior to PCR performed with other commercially available enhancers. Results are enhanced fivefold or more.\*

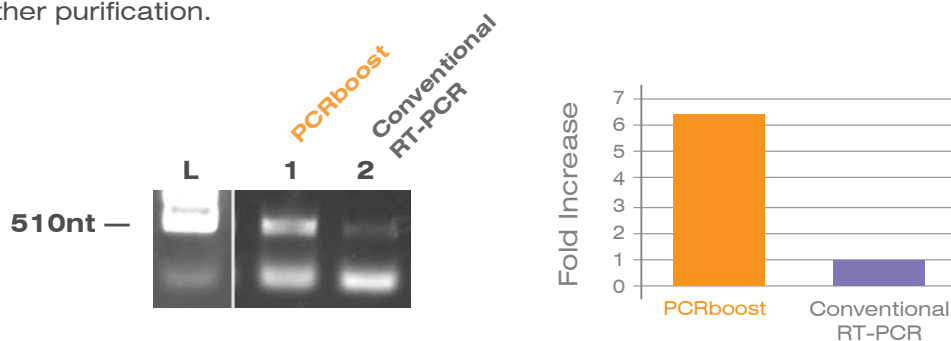


ABOVE A 12.5-fold increase in amplification is seen when end-point PCR is performed using PCRboost compared to conventional, unenhanced PCR. (1ng gDNA amplified using human b-actin primers. 10µl of each PCR reaction was run on 0.8% agarose gel.)

\*Actual amplification results may vary depending on template specificity and amplicon size.

### Reverse transcription-PCR results are enhanced with PCRboost.

Transcripts are easily amplified and visualized when utilizing PCRboost to enhance amplification. Enhanced reverse transcription-PCR product can then be used in downstream applications such as cloning, hybridizations and sequencing without further purification.



ABOVE A **6.2-fold increase** in reverse transcription-PCR amplification is seen when using PCRboost compared to conventional, unenhanced PCR. (RNase P [510 bp] transcript amplified using 1µl of cDNA generated from 100ng total RNA. 10µl of each PCR reaction was run on 0.8% agarose gel.)

### PCRboost is available in the following formats:

PRODUCT	CATALOG NO.	CONTAINS
PCRboost	63301-011	1.0ml
PCRboost Trial Kit	63301-001	150µl
PCRboost, 10ml	62301-021	10ml

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