

HiPi RT-PCR Kit

For research use only

Product	Qty.	Cat. No.	Remarks
HiPi RT-PCR Kit	1 Kit	EBT-1103	Contains all components for RT-PCR

✓ Description

HiPi RT-PCR Kit is designed for the reverse transcription (RT) and polymerase chain reaction (PCR) for detection of specific genes from either total RNA or polyA⁺ RNA. HiPi RT-PCR Prime Kit provides reagents sufficient for 50 RT reactions and 500 PCR reactions.

The kit contains M-MLV (Moloney Murine Leukemia Virus) reverse transcriptase RNase H⁻ and HiPi plus thermostable DNA polymerase. Both random hexamers and oligo d(T)₁₅ are included, allowing cDNA synthesis from any RNA source.

The kit is optimized for 20 µl RT reaction and each cDNA synthesis may be divided and used in up to 20 separate PCR reactions. The kit contains total RNA and primer set for a positive control experiment.

✓ Kit Component

- M-MLV Reverse Transcriptase, RNase H⁻ : 10,000 unit (200 unit/µl)
- 5x Reverse Transcription Buffer : 500 µl
- HiPi Plus Thermostable DNA Polymerase : 500 unit (5 unit/µl)
- 10x HiPi Plus Reaction Buffer : 1 ml
- 10 mM dNTP : 1 ml
- Random Hexamer : 50 µl (100 pmol/µl)
- Oligo d(T)₁₅ : 50 µl (100 pmol/µl)
- Recombinant RNase Inhibitor : 2,500 unit (50 unit/µl)
- Total RNA, Human 293 cell : 10 µl (1 µg/µl)
- Control Primer Pair Mix, β-actin : 20 µl (10 pmol/µl)
- RNase-Free Water : 1 ml

✓ Applications

First strand cDNA synthesis from total RNA or polyA⁺ RNA, and subsequent PCR reaction.

✓ QC tests

Performance tests.

✓ Storage Condition

Store at -20°C.