



tescorn
MASTERMIX

PRODUCT DESCRIPTION

The “ready to use” kit is designed for all applications required for One- Run Reverse Transcriptase-PCR and suitable for both to DNA and RNA. The reverse transcription step is directed by M-MLV reverse transcriptase. Hot-start Taq DNA polymerase is activated by heating up the reaction 10 min at 95°C, after cDNA is synthesized

PRODUCT SPECIFICATION

Reverse Transcriptase component (M-MLV) of the kit is active at 45 or 50 °C, a half life of 230 minutes, and the activity of RNase H was reduced. HotStart Taq DNA Polymerase enzyme is a mixture of enzyme and Anti-Taq monoclonal antibodies to ensure specificity and thermostability. Buffer contains 0.2 mM of each dNTP and 3 mM MgCl². System can be used directly both with DNA and RNA samples.

SYSTEM CONTENTS

Reagents	20 rxns
• RT PCR Reaction Mix*	300 µl
• PCR Grade Water**	500 µl
• MgCl ² 25 mM **	500 µl

(*) Master mixes include HotStart Taq DNA Polymerase.
(**) Optional

PROCEDURE

FOR 1 RXN

- 15 µl RT PCR Reaction mix
- Primers (each forward and reverse primers 10 pmol) (*)
- Probe 2,5 pmol (*)
- RNA/DNA 2 – 10 µl (*)
- Add PCR Grade water until total volume 25 µl.
- Mix gently by pipetting.
- Run with the programme shown below.

(*) Not included

PCR PROGRAMME

For RNA

45 or 50 °C	30 min.	
95 °C	3 min.	
95 °C	15 sec.	35-45 cycles
60 °C	1 min.	

For DNA

95 °C	3 min.	
95 °C	15 sec.	35-45 cycles
60 °C	1 min.	

STORAGE

- All reagents should be stored at – 20 °C and dark.
- All reagents can be used until the expiration date on the box.
- Repeated thawing and freezing (>4X) should be avoided, as this may reduce the sensitivity of the assay.

CAUTIONS

- All reagents should be stored at suitable conditions.
- Do not use the PCR mastermixes forgotten at room temperature.
- Thaw PCR mastermix at room temperature and slowly mix by inverting before use.
- Shelf-life of PCR mastermix is 12 months. Please check the manufacturing data before use
- Only use in vitro diagnostics.



TESSCORN SEASIA PTE. LIMITED

596b Ang Mo Kio Street 52
#17-327, Singapore (562596)

enquiries@tesscorn-seasia.com

TESSCORN USA LLC.

3895 Lawson Dr.,
Troy, MI 48084

Cell: +1 734 658 0450
raghu@tesscorn-usa.com

TESSCORN SYSTEMS INDIA PVT LTD

1285, 5th Main, 17th Cross
HSR Sector 7, Bangalore 560068, India

Cell: +91 8861751155, +91 9900240316
info@tesscorn.com

