

EVA GREEN® ONE-RUN RT PCR KIT - 1X

CAT. NO:

70R-01-20 (20 RXN)

70R-01-100 (100 RXN)

PRODUCT DESCRIPTION

The ready to use kit is designed for all applications required for *One-Run* RT-PCR and suitable for both to DNA and RNA. The reverse transcription step is directed by M-MuLV 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 50 °C, with a half life of 230 minutes, with the activity of RNase H reduced. HotStart Taq DNA Polymerase enzyme is a mixture of enzyme and Anti-Taq monoclonal antibodies to ensure specificity and thermostability. Kit contains 0.2 mM dNTP, 3 mM MgCl₂ and HotStart Taq DNA Polymerase. System can be used directly both with DNA and RNA. After the run, you can detect your DNA Sequence using by EvaGreen Dye.

SYSTEM CONTENTS

Reagents	20 rxns
• RT PCR Reaction Mix (1X)	380 µl
• PCR Grade Water**	500 µl
• MgCl ₂ 25 mM **	500 µl

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

PROCEDURE

FOR 1 RXN:

- 19,0 µl RT PCR Reaction mix
- Primers (each forward and reverse primers 10 pmol) (*)
- Total RNA 1 – 5 µl or DNA (1 – 100 ng) (*)
- 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;

42 °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.	

*****After the run; run the melting programme according to your device for melting curve analysis.**

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 (>3X) 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.

Please contact us for your questions. tech@snp.com.tr