

One-Run RT Q-PCR System 2X

CAT. NO:

18R-01-20 (20 RXN)

18R-01-100 (100 RXN)

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-MuLV reverse transcriptase.

PRODUCT SPECIFICATION

Reverse Transcriptase component (M-MLV) of the kit is active at 42 °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 3,5 mM MgCl₂. System can be used directly both with DNA and RNA samples.

SYSTEM CONTENTS

Reagents	20 rxns
• RT PCR Reaction Mix *	200 µl
• PCR Grade Water**	Not Included
• MgCl ₂ 25 mM **	Not Included

(*) Master mixes include HotStart Taq DNA Polymerase.

() Optional**

PROCEDURE

FOR 1 RXN;

- 10 µl RT PCR Reaction mix
- Primers (each forward and reverse primers 10 pmol) **(*)**
- Probe 5 pmol **(*)**
- RNA/DNA 2 – 10 µl **(*)**
- Add PCR Grade water until total volume 20 µl.
- Mix gently by pipetting.
- Run with the programme shown below.

(*) Not included

PCR PROGRAMME

For RNA;

42 °C	30 min.	
96 °C	1 min.	
96 °C	5 sec.	35-45 cycles
60 °C	45 sec.	

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 (>5X) 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