

Fast-Run™ HotStart RT-PCR (AMV) kit

Cat No. PT-935 , 50 Reactions

Product Description:

The Fast-Run™ HotStart RT-PCR (AMV) Kit is a one-tube reaction system designed for sensitive, fast, reproducible and convenient analysis of RNA. Each Tube of Fast-Run™ HotStart RT-PCR (AMV) Kit contains a pre-mixed, lyophilized reaction mix which, when reconstituted, yield a pink solution of reaction buffer, dNTP, reverse transcriptase, Taq Polymerase and antibody. The amplified DNA fragments will generate 3' A-overhang end that can be cloned into T-vectors. (e.g. Invitrogen TA Cloning Kit, TOPO TA cloning Kit, Promega pGEM-T Kit, pGEM-T Easy Kit).

Each Tube Components:

AMV reverse transcriptase: 25U ; Taq DNA Polymerase: 2U ; RNasin: 5U ; dNTPs: 1 mM ; Buffer salts: + ; Antibody: 2U ; Stabilizer: + ; Store at -20°C

General Protocol:

1. To a RT/PCR Tube, add primers, template RNA and distilled water to 20 µl. (Total added volume is 20 µl).
2. Dissolve the lyophilized reaction mixture by vortex and spin-down.
3. Add mineral oil to each tube (This step is unnecessary when using a thermal cycler employing a top heating system).
4. Set up as follows:

Sterile H ₂ O	X µl
RNA template	1pg-1µg
Upstream primer (10 µM)	1- 2 µl
Downstream primer (10 µM)	1- 2 µl
Total volume	20 µl

5. Perform RT/PCR Program as following:

1st cDNA Synthesis:

1 cycle 58°C 5 min (RNA Denaturation)
1 cycle 42°C 30 min (cDNA Synthesis)
1 cycle 94°C 2 min (AMV RT inactivation & RNA/cDNA/primer denaturation)

2nd PCR Reaction:

35 cycle 94°C 30 sec (Denaturation)
 50-65°C 30 sec (Annealing Temperature and time should be optimized for each reaction)
 72°C 1 min (Extension)
1 cycle 72°C 5 min
 4°C -

For Research Using Only.

Please do not hesitate to contact us if you have any questions.

Manufactured for and distributed by Protech Technology Enterprise Co.,Ltd
TEL : +886-2-2655-7677 / FAX : +886-2-2655-7601 / Toll Free : 0800-231-530
E-MAIL: service@bio-protech.com.tw ; tech@bio-protech.com.tw
WEB: <http://www.bio-protech.com.tw>