



ELK Biotechnology

For research use only.

One Step SYBR Green RT-PCR Mix

PCR

| | | / |
|----------|---------------------|--------|
| EQ007-01 | 20 μ l x 100rxn | -20C°/ |
| EQ007-02 | 20 μ l x 500rxn | -20C°/ |

SybrGreen Real Time One Step RT-PCR
 Real Time RT-PCR PCR
 PCR RNA
 Real Time One Step RT-PCR Taq DNA
 ROX PCR PCR

| | EQ007-1 | EQ007-2 |
|----------------------------------|-------------|-------------|
| 2xOne Step RT-PCR Mix SYBR Green | 1ml | 1.25 mlx4 |
| RT-PCR Enzyme Mix | 150 μ l | 750 μ l |
| 50xROXDye | 250 μ l | 1.25 ml |
| RNase-free ddH2O | 1 ml | 1.25 mlx4 |
| | 1 copy | 1 copy |

1. PCR
2. RNA
3. PCR 8 96 PCR ()
- 4.
5. Real Time PCR

- 1.
- (1).



qq

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(2). 50%

(3).

2 PCR

3

4

5.

(

1. PCR

2

PCR

| | μL | | |
|----------------------------|---------------------|-------|--------|
| 2xOne Step RT-PCR Mix | 10 | 25 | 1 x |
| RT-PCR Enzyme Mix | 1.5 | 3.75 | |
| PCR Forward Primer (10 μM) | 0.4 | 1 | 0.2 μM |
| PCR Reverse Primer (10 μM) | 0.4 | 1 | 0.2 μM |
| RNA | Total RNA 1 pg-1 μg | | |
| *50x ROXDye () | 0.4 | 1 | 1x |
| RNase-free ddH2O | to 20 | to 50 | — |

*

“



100



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| | 1x | 50 | 15 min |
|--------------|--------|----|--------|
| | 1x | 95 | 30 sec |
| | 35-40x | 95 | 5 sec |
| / | | 60 | 30 sec |
| (Melt Curve) | | | |

| | 1x | 50 | 15 min |
|--------------|--------|-------|--------|
| | 1x | 95 | 30 sec |
| | 35-40x | 95 | 5 sec |
| | | 50-60 | 30 sec |
| | | 72 | 30 sec |
| (Melt Curve) | | | |

%

; 7

&

) a] b

&

Ha

1.

CT

2. PCR

100



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1. CT
 - a. RNA -20
-80
 - b.
 - c.
 - d. RT-PCR Enzyme Mix

2.
 - a. PCR PCR
 - b. DNA PCR
 - c. PCR PCR
 - d.

3.
 - a. ROX Reference Dye
ROX Reference Dye
 - b. PCR
 - c.

4.
 - a. -20
 - b. PCR

5.
 - a.
 - b. RNA PCR 10 100-1000 c.
 - d. S PCR