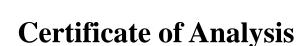


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## Rat Corona/Sialodacryoadenitis Virus **PCR Positive Control**

Catalog Number: PCRPC125

Date: August 2012

**Volume**: 250 μl, 250 Reactions

RNA Concentration: 500 ng/µl in TE buffer. Use 0.5 to 1.0 µl per RT-PCR reaction.

**Specific Activity:** At least 500 copies per μl.

Storage conditions: -20° C to -70° C

First Strand Reaction: prime with random hexameres, oligo dT, or anti-sense REV oligo at 1 μl of a 1 µM solution.

Typical PCR reaction: Total volume 50 μl, 25 μl water, 5 μl 10x PCR Buffer, 2 μl 50

mM MgSO<sub>4</sub>, 1 μl 10 mM dNTP mix, 1 μl 10 μM Forward Primer, 1 μl 10 μM Reverse Primer, DNA 0.5 to 1 µl, add water to 49.5 µl, and add last 0.5 µl Taq Polymerase. Mix, spin down gently, and put tubes in thermal cycler. Alternatively, a master mix including everything except some water and DNA may be used.

## **Typical Thermal Cycler Program:**

| 1. | 94°C     | 2 min   |
|----|----------|---------|
| 2. | 94°C     | 15 sec  |
| 3. | 55°C     | 30 sec  |
| 4. | 0.5°/sec | to 68°C |
| 5. | 68°C     | 2 min   |
| 6. | Go to 2  | 35 min  |
| 7. | 72°C     | 5 min   |
| 8. | 4°C      | forever |
| 9. | End      |         |

PCR Primers: FOR 5'-GTC ATG AGG CTA TTC CTA CTA-3'

**REV 5'-ATA CAC ATC TTT GGT GGG-3'** 

Anti-sense REV 5'-CCC ACC AAA GAT GTG TAT-3'

**References:** Comparative Medicine **54:4**, August 2004, page 384.

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