



Express Biotech International  
4650 Wedgewood Blvd  
Suite 103  
Frederick, MD 21703

Tel: +001.301.228.2444  
Email: info@xpressbio.com  
Web: www.xpressbio.com

# Certificate of Analysis

## RCV/SDAV

### PCR Positive Control

**Catalog Number:** PCRPC125

**Date:** August 2012

**Volume:** 250  $\mu$ l

**RNA Concentration:** 200 ng/ $\mu$ l in TE buffer. Use 0.5 to 1.0  $\mu$ l per first strand reaction.

**Specific Activity:** At least 500 copies per  $\mu$ l.

**Storage conditions:** -20° C to -70° C

**First Strand Reaction:** primed with oligo dT or anti-sense REV oligo at 1  $\mu$ l of a 1  $\mu$ M solution.

**Typical PCR reaction:** Total volume 50  $\mu$ l, 25  $\mu$ l water, 5  $\mu$ l 10x PCR Buffer, 2  $\mu$ l 50

mM MgSO<sub>4</sub>, 1  $\mu$ l 10 mM dNTP mix, 1  $\mu$ l 10  $\mu$ M Forward Primer, 1  $\mu$ l 10  $\mu$ M Reverse Primer, DNA 0.5 to 1  $\mu$ l, add water to 49.5  $\mu$ l, and add last 0.5  $\mu$ l *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 times |
| 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'

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

**This product is distributed for laboratory research use only. The safety and efficacy of this product in diagnostic or other clinical uses has not been established.**