



# Certificate of Analysis

## Mouse Pasteurella Multocida

### PCR Positive Control

**Catalog Number:** PCRPC145

**Date:** May 24, 2011

**Volume:** 250µl, about 250 reactions

**DNA Concentration:** 150 ng/µl in TE buffer. Use 0.5 to 1.0 µl per PCR reaction.

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

**Expiration:** 3 years from date of shipment

**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 times
7. 72°C, 5 min
8. 4°C; forever
9. End

**PCR Primers: FOR 5'-GCA GTG AAA GAA TTC TTT GGT TC-3'**

**REV 5'-GTT GCA TGT TAG AAC CCA T-3'**

**References:** Dole, VS, Comparative Medicine **60:6** December 2010, pages 427-435.

**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.**