**Description**

**Strain:** SEATO  
**Classification:** Retroviridae, Gammaretrovirus  
**Original Source:** Mink cells expressing Gibbon ape leukemia virus (GALV). These infected cells were produced by transfecting a clone of GALV SEATO strain into mink cells and testing cell supernatant after several passages for a sustained peak in reverse transcriptase activity. The clone was derived from sequences obtained from GALV San Francisco strain and SEATO strain.  
**Depositor:** MV Eiden, National Institute of Mental Health

**Batch-Specific Information**

Refer to the Certificate of Analysis for batch-specific test results.

**Propagation**

**Effect on Host:**  
No CPE, RT-PCR to assess for virus presence

**Medium:**  
DMEM (ATCC® 30-2002™) + 10% FBS (ATCC® 30-2020™)

**Growth Conditions**

**Temperature:** 37°C

**Recommendations for Infection:** Thaw the cells in a 37°C water bath until the ice is just melted, then add 0.5 mL of cells directly to a T-25 flask containing fresh medium. Post-freeze recovery is slow. Perform complete media renewal on Day 3 and continue media renewal every 3 - 4 days. Monitor the cells for adherence and expect populations of cells to project epithelial structures on approximately Day 4 - Day 8. Cell growth rate significantly increases with subsequent subcultures.  
**Incubation:** 3-5 days, until confluent and passaging or harvesting is needed

**Comments**

Cells contain a GALV plasmid (pGEM13386) and are not infected with a primary infectious GALV. Cells are not G418 resistant. Cells should be monitored by RT-PCR to confirm that viral genes are expressed. At the time of deposit, this line was considered important as a source of early passage GALV SEATO strain, which was considered a reference material of utility to PG13 gene therapy researchers.

**References**

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

**Key Abbreviations**

°C, degrees Celsius  
CPE, cytopathic effect  
DMEM, Dulbecco's Modified Eagle's Medium  
FBS, fetal bovine serum  
RT-PCR, reverse transcription polymerase chain reaction

**Biosafety Level: 2**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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