**Product Sheet**

**Bovine rhinitis B virus**

**ATCC® VR-1806™**

### Strain:
EC-11

### Classification:
Picornaviridae, Aphthovirus

### Common Name:
Bovine rhinovirus 2

### Original Source:
Lungs of a specific-pathogen-free Jersey calf

### Depositor:
SB Mohanty, Virginia-Maryland Regional College of Veterinary Medicine, University of Maryland

### Propagation Host:
MDBK cells (ATCC® CCL-22™)

### Effect on Host:
CPE, cell rounding and sloughing

### Medium:
EMEM (ATCC® 30-2003™) + 2% HS (ATCC® 30-2040™)

### Growth Conditions
**Temperature:** 33°C

**Recommendations for Infection:** For best results, infection should be performed on a 70-80% confluent, 18-48 hour old cellular monolayer. Prepare dilution of virus in minimum amount of volume (e.g. 1 mL per 25 cm²), optimized for propagation (e.g. MOI 0.1-0.5 recommended). Wash monolayer with PBS or serum free medium prior to inoculation. Adsorb virus dilution for 1-2 hours at 33°C in a humidified 5% CO₂ atmosphere, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

**Incubation:** 2-7 days at 33°C in a humidified 5% CO₂ atmosphere, until CPE is progressed through 80% of the monolayer.

### Derived by adaptation from primary cell culture product ATCC® VR-392™ to MDBK cells (ATCC® CCL-22™).

ATCC® VR-392™ and ATCC® VR-1806™ have not been compared for sequence or infectivity in primary cell culture and continuous tissue culture. Strain is 25-27 nm in diameter with characteristic rhinovirus structure. Antigenically distinct from Bovine rhinitis A virus, strain SD-1.

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

### Key Abbreviations

- CPE, cytopathic effect
- CO₂, carbon dioxide
- EMEM, Eagle's minimum essential medium
- HS, Horse serum
- MDBK, Madin-Darby bovine kidney
- MOI, multiplicity of infection
- PBS, phosphate buffered saline

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This product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

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