

Human Rectal Tumor (HRT-18) Cells, Chemically Inactivated Mock-Infected Cell Control

Catalog No. NR-572

Product Description: Cell lysate and supernatant from mock-infected HRT-18 cells. The suspension of cell lysate and supernatant was treated with binary ethyleneimine to simulate virus inactivation.

Lot: 4746079

Manufacturing Date: 27AUG2005

| TEST | SPECIFICATIONS | RESULTS |
|--|---|---|
| Plaque Reduction Assay¹ on HRT-18 Cells | Report results | 0 plaque forming units/mL |
| Cell Culture Immunofluorescence Assay¹ on HRT-18 Cells | Report results | 0 fluorescent focus units/mL |
| Antigen-Capture ELISA² | Report results | < 10 |
| Sterility (21-day incubation) Harpo's HTYE broth ³ , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO ₂ | No growth No growth No growth No growth No growth No growth No growth | No growth No growth No growth No growth No growth No growth No growth |
| Mycoplasma Contamination Agar and broth culture (14-day incubation at 37°C) DNA Detection by PCR of Test Article nucleic acid | None detected None detected | None detected None detected |

¹Saif, L. J., R. A. Heckert, K. L. Miller, and M. Tarek. "Cell Culture Propagation of Bovine Coronavirus." *J. Tissue Culture Methods* 11 (1988): 139-146.

²Titer is expressed as the reciprocal of the highest dilution with absorbance values greater than or equal to the mean absorbance of the mock-infected control plus three standard deviations and ratio between positive and negative coat greater than or equal to two. See, Cho, K. O., et al. "Evaluation of Concurrent Shedding of Bovine Coronavirus via the Respiratory Tract and Enteric Route in Feedlot Cattle." *Am. J. Vet. Res.* 62 (2001): 1436-1441. PubMed: 11560274.

³Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 13 FEB 2006

Signature: Signature on File

Title: Technical Manager, BEI Authentication

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