

**Keystone Virus, B64-5587.05**

**Catalog No. NR-537**

(Derived from ATCC® VR-722™)

**Product Description:** Cell lysate and supernatant from African green monkey kidney (Vero) cells<sup>1</sup> infected with Keystone virus, B64-5587.05.

**Lot<sup>2</sup>: 4008228**

**Manufacturing Date: 20MAY2005**

TEST	SPECIFICATIONS	RESULTS
<b>Identification by Infectivity in Vero Cells<sup>1</sup></b>	Cell rounding and detachment	Cell rounding and detachment
<b>Titer by TCID<sub>50</sub> Assay<sup>3,4</sup> in Vero Cells<sup>1</sup></b>	Report results	8.9 X 10 <sup>7</sup> TCID <sub>50</sub> /mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>5</sup> , 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 <sub>2</sub>	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
<b>Mycoplasma Contamination</b> Agar and broth culture (14 day incubation at 37°C) DNA Detection by PCR of extracted Test Article nucleic acid	None detected None detected	None detected None detected

<sup>1</sup>Vero cells: ATCC® CCL-81™.

<sup>2</sup>Grown in Minimum Essential Medium containing Earle's salts and non-essential amino acids (GIBCO® 10370-021) supplemented with 2% irradiated fetal bovine serum (Cambrex® 14-471E), 2 mM L-glutamine (GIBCO® 25030-081), and 1 mM sodium pyruvate (GIBCO® 11360-070) for 7 days at 37°C with 5% CO<sub>2</sub>.

<sup>3</sup>The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) endpoint is the 50% infectious endpoint in cell culture. The TCID<sub>50</sub> is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the titer (or infectivity) of a virus preparation.

<sup>4</sup>7 days at 37°C and 5% CO<sub>2</sub>.

<sup>5</sup>Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Date:** 29 SEP 2006

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication

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