

**Polyclonal Anti-Avian Infectious Bronchitis Virus (IBV), Massachusetts (antiserum, Guinea Pig)**

**Catalog No. NR-2515**

This reagent is the property of the U.S. Government.

**Product Description:** Antiserum to the Massachusetts strain of avian infectious bronchitis virus (IBV) was produced by immunization of guinea pigs with the virus.

**Lot: 4734233**

**Manufacturing Date: 03AUG2005**

TEST	SPECIFICATIONS	RESULTS
<b>Virus Neutralization Assay<sup>1</sup> in Chicken Embryos</b>	Report results	10 <sup>4.7</sup> PD <sub>50</sub>
<b>Antigen-Capture ELISA<sup>2</sup></b>	Report results	50,000
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>3</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 Test Article nucleic acid	None detected None detected	None detected None detected

<sup>1</sup>The Protective Dose 50% (PD<sub>50</sub>) is the dilution of antiserum that under the conditions of the assay can be expected to protect 50% of the embryos 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 PD<sub>50</sub> provides a measure of the efficacy (or protective effect) of an antiserum preparation.

<sup>2</sup>Titer is expressed as the reciprocal of the highest serum dilution that resulted in a mean absorbance greater than the mean absorbance of the negative sera plus three standard deviations.

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

**Date: 25 MAY 2007**

**Signature: Signature on File**

**Title: Technical Manager, BEI Authentication**

ATCC<sup>®</sup>, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by ATCC<sup>®</sup> or the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC<sup>®</sup>'s knowledge.

ATCC<sup>®</sup> is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.