**Avian Infectious Bronchitis Virus (IBV), Massachusetts, Chemically Inactivated**

**Catalog No. NR-450**

**For research use only. Not for human use.**

**Contributor:**
Linda J. Saif, Ph.D., Food Animal Health Research Program, Ohio Agricultural Research and Development Center, Department of Veterinary Preventive Medicine, The Ohio State University, Wooster, Ohio

**Product Description:**

- **Virus Classification:** Nidovirales, Coronaviridae, Coronavirus, Group 3
- **Agent:** Avian infectious bronchitis virus (IBV), chemically inactivated
- **Strain:** Massachusetts
- **Original Source:** Respiratory tract of 19-day-old chickens with mild respiratory disease
- **Comment:** Avian IBV is the type species for the Coronavirus genus

**Material Provided:**
Each vial contains approximately 1 mL of allantoic fluid from chicken embryos infected with the Massachusetts strain of avian IBV. The allantoic fluid was treated with binary ethyleneimine to inactivate the virus.

**Packaging/Storage:**
NR-450 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

**Growth Conditions Prior to Inactivation:**
- **Host:** 10-day-old specific-pathogen free chicken embryos
- **Inoculation:** Chorioallantoic sac
- **Incubation:** 2 to 4 days
- **Effect:** Curling, stunting, and possible death of embryo
- **Note:** Avian IBV cross reacts serologically with turkey coronavirus antibodies.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Avian Infectious Bronchitis Virus (IBV), Massachusetts, Chemically Inactivated, NR-450.”

**Biosafety Level:** 1
Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in


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**References:**

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