

SUPPORTING INFECTIOUS DISEASE RESEARCH

Product Information Sheet for NR-3688

Influenza A Virus, A/WSN/1933 (H1N1), Wild Type (ts+) Clone (Kilbourne F68)

Catalog No. NR-3688

Derived from NIAID Catalog No. V-331-OTC451

For research use only. Not for use in humans.

Contributor:

National Institutes of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH)

Manufacturer:

BEI Resources

Product Description:

<u>Virus Classification</u>: *Orthomyxoviridae*, *Alphainfluenzavirus* Species: Influenza A virus

<u>Strain/Isolate</u>: A/WSN/1933 (H1N1) wild type (ts+) clone (Kilbourne F68)¹

Original Source: Influenza A virus A/WSN/1933 (H1N1) wild type (ts+) clone (Kilbourne F68) is a heat stable (ts+) clone of the WSN strain of influenza A virus derived by three successive rounds of plaque purification on Madin-Darby Bovine Kidney cells propagated at 39.5°C. The cloned virus was used to generate a series of temperature-sensitive influenza mutants.

<u>Comments</u>: Sequence information is available for influenza A virus, A/WSN/1933 (H1N1) at the <u>Bacterial and Viral Bioinformatics Resource Center</u>.

Removal of contaminating mycoplasma from NR-3688 required six virus passages at BEI Resources.

Material Provided:

Each vial contains approximately 1.0 mL of cell lysate and supernatant from Madin-Darby Canine Kidney (MDCK) cells (ATCC® CCL-34) infected with influenza A virus, A/WSN/1933 (H1N1), wild type (ts+) clone.

<u>Note</u>: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

NR-3688 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. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

<u>Host</u>: Madin-Darby Canine Kidney cells (MDCK; ATCC[®] CCL-34 ™)

Growth Medium: Eagle's Minimum Essential Medium supplemented with 0.125% bovine serum albumin and 1 μg/mL L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin, or equivalent

Infection: Cells should be 60% to 70% confluent Incubation: 6 to 10 days at 37°C and 5% CO₂ Cytopathic Effect: Cell rounding and sloughing

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Influenza A Virus, A/WSN/1933 (H1N1), Wild Type (ts+) Clone (Kilbourne F68), NR-3688."

Biosafety Level: 2

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 Microbiological and Biomedical Laboratories (BMBL). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

Disclaimers:

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References A., K. Tobita, and E. D. Kilbourne. "Isolation and Preliminary Characterization of Temperature-Sensitive

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Mutants of Influenza Virus." <u>J. Virol.</u> 10 (1972): 639-647. PubMed: 4673486.

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