West Nile Virus, B 956

Catalog No. NR-72
(derived from ATCC® VR-1510™)

For research use only. Not for use in humans.

Contributor:  
ATCC®

Manufacturer:
BEI Resources

Product Description:

**Agent:** West Nile Virus (WNV)

**Type Strain/Isolate:** B 956

**Original Source:** WNV B 956 was isolated in 1937 from the blood of a febrile human living in the West Nile district of Uganda. The complete genome of WNV B 956 has been sequenced (GenBank: M12294). B 956 was the first strain of WNV that was isolated and is recognized as the prototype strain of lineage II.

WNV is an arthropod-borne virus which circulates in natural transmission cycles between primarily mosquitoes (Culex species) and birds, with humans as incidental hosts. The virus is indigenous to Africa, Asia, Australia and Europe, and has recently caused large epidemics in Romania, Russia and Israel. WNV was recently introduced to North America, where it was first detected in 1999 during an epidemic of meningoencephalitis in New York City. Most human WNV infections are asymptomatic but clinical infections can range in severity from uncomplicated West Nile fever to fatal meningoencephalitis; the incidence of severe neuroinvasive disease and death increase with age. There is no established WNV-specific treatment or licensed vaccine for humans currently available. Prevention depends on organized, sustained vector mosquito control and public education.

**Material Provided:**
Each vial contains approximately 1 mL of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero; ATCC® CCL-81™) infected with WNV, B 956.

**Note:** If homogeneity is required for your intended use, please purify prior to initiating work.

**Packaging/Storage:**
NR-72 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:**

**Host:** *Cercopithecus aethiops* kidney epithelial cells (Vero; ATCC® CCL-81™)

**Growth Medium:** Minimum Essential Medium supplemented with 2 mM L-glutamine, 1 mM sodium pyruvate, and 2% irradiated fetal bovine serum

**Infection:** Cells should be 80 to 90% confluent

**Incubation:** 4 to 8 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: West Nile Virus, B 956, NR-72.”

**Biosafety Level:** 2


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References:

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