

**Yellow Fever Virus, 17D, Heat-Inactivated**

**Catalog No. NR-51472**

**Product Description:**

Clarified cell lysate and supernatant from Vero cells infected with yellow fever virus (YFV), 17D that has been inactivated by heating at 65°C for 30 minutes.<sup>1</sup>

**Lot: 70021060<sup>2,3</sup>**

**Manufacturing Date: 08JAN2019**

TEST	SPECIFICATIONS	RESULTS
<b>Viral Genome Copy Number by Droplet Digital RT-PCR (ddPCR)<sup>4</sup></b>	Report results	1.8 × 10 <sup>4</sup> copies per µL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>5</sup> Trypticase Soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Blood agar, 37°C, aerobic 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)	None detected	None detected
<b>Virus Inactivation</b> 10% of total bulk heat-treated preparation inoculated on Vero cells and evaluated for cytopathic effect, viral antigen expression by indirect immunofluorescence assay, and presence of viral RNA by real-time RT-PCR <sup>1,6</sup>	No viable virus detected	No viable virus detected

<sup>1</sup>African green monkey kidney epithelial cells (Vero; ATCC® CCL-81™)

<sup>2</sup>NR-51472 lot 70021060 was produced from NR-116 lot 70018947 after dilution and inactivation by heating at 65°C for 30 minutes.

<sup>3</sup>All tests were completed post-inactivation.

<sup>4</sup>ddPCR data was obtained post-vial from 9 replicates on the BioRad QX200 Droplet Digital PCR (ddPCR™) System.

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

<sup>6</sup>The inactivated virus preparation was plated on Vero cells and incubated for 14 days at 37°C and 5% CO<sub>2</sub>; cell lysate and supernatant from these cultures was blind passaged on fresh monolayers of Vero cells and again incubated for 14 days at 37°C and 5% CO<sub>2</sub>.

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