

**Human Immunodeficiency Virus Type 1, 2066 MB**

**Catalog No. HRP-10048**

**Product Description:**

Human immunodeficiency virus type 1 (HIV- 1), 2066 MB is a group M, subtype C, primary HIV-1 virus that was isolated from the plasma of an HIV- positive individual in South Africa. HRP-10048 lot 70048480 was produced by infecting normal human peripheral blood mononuclear cells (PBMC) with BEI Resources seed lot 1 and incubating in RPMI-1640 medium supplemented with 10% fetal bovine serum, 20 IU/mL interleukin-2 (IL-2), 1.5% phytohemagglutinin, M form (PHA-M), 50 mg/mL gentamycin, 1x Pen/Strep, non-essential amino acids and sodium pyruvate for 23 days at 37°C with 5% CO<sub>2</sub>. Please note that the virus has a low titer, and optimization of propagation conditions is necessary to achieve a higher titer. Virus propagation on other cells has not been tested.

**Passage History:**

X(X)/P(1) (Prior to deposit/Virongy); X = Unknown; P = PBMC

**Lot: 70048480**

**Manufacturing Date: 05NOV2021**

TEST	SPECIFICATIONS	RESULTS
<b>p24 Antigen Concentration by ELISA<sup>1</sup></b>	Report results	0.11 ng/mL
<b>Sterility (14-day incubation)</b> Luria-Bertani broth, 37°C shaking at 220 rpm, aerobic Blood agar, 37°C, aerobic Potato agar, 37°C, aerobic	No growth No growth No growth	No growth No growth No growth
<b>Mycoplasma Contamination</b> Detection by commercially available kit	None detected	None detected

<sup>1</sup>Using a commercially available p24 ELISA kit

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