

CapSM-K-SV40 Bat (*Carollia perspicillata*) Immortalized Cell Line

Catalog No. NR-59778

Product Description:

CaPSM-K-SV40 is an immortalized bat cell line derived from the kidney of a healthy three-year-old male Seba's short-tailed bat (*Carollia perspicillata*) from a disease-free bat colony. The primary kidney fibroblast cells were immortalized by SV40 T-antigen by transduction. The culture was initiated from P8 material and passaged 4 times to produce lot 70071624. Cells were grown for 2-4 days in Dulbecco's Modified Earle's Medium (30-2002) supplemented with 10% fetal bovine serum (30-2020) at 37°C in 5% CO₂.

Lot: 70071624

Manufacturing Date: 30OCT2024

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology	Fibroblasts	Fibroblasts
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	Bat origin No evidence of another species	<i>Carollia perspicillata</i> No evidence of another species
Total Cell Count	> 1.0 × 10 ⁶ cells/vial	5.8 × 10 ⁶ cells/vial
Post-Freeze Viability	≥ 50%	94.4%
Sterility (21-day incubation) Harpo's HTYE broth, 37°C and 26°C, aerobic ¹ Trypticase Soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO ₂	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
Mycoplasma Contamination Hoechst DNA stain Agar and broth culture (14-day incubation at 37°C) DNA detection by PCR of extracted Test Article nucleic acid	None detected None detected None detected	None detected None detected None detected

¹Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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