

Culicoides sonorensis Cell Line CuVaW8a

Catalog No. NR-59884

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Product Description:

Culicoides sonorensis cell line CuVaW8a was derived in 2003 from the embryonated eggs of biting midges (*Cu. sonorensis*), which originated in October 1995 as CuVa. *Cu. sonorensis* cell line CuVaW8a consists of a polyclonal population that underwent spontaneous immortalization. Cells were grown in modified Schneider's Insect Media (Sigma S0146) at 27°C with 5% CO₂.

Lot: 70072065

Manufacturing Date: 01APR2025

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology	Epithelial-like	Epithelial-like
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	<i>Culicoides sonorensis</i> No evidence of other species	<i>Culicoides sonorensis</i> ¹ No evidence of other species
Total Cell Count	> 1.0 × 10 ⁶ cells/vial	6.42 × 10 ⁷ cells/vial
Post-Freeze Viability	≥ 50%	62.3%
Sterility (21-day incubation) Harpo's HTYE broth, 37°C and 26°C, aerobic ² 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

¹Taxonomy ID: 179676, homotypic synonym: *Culicoides variipennis sonorensis*

²Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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