

**Humanized Canine Kidney (hCK) Serum Free Suspension Master Cell Bank (cGMP)**

**Catalog No. NR-59897**

**Product Description:**

NR-59897 is an engineered Madin-Darby canine kidney (MDCK) cell line (hCK) that is more suitable for human influenza virus isolation and propagation that was developed by Takada et al. by altering the expression levels of  $\alpha$ -2,6-sialoglycans and  $\alpha$ -2,3-sialoglycans of the host cell. It was produced under cGMP protocols.

**Lot: 23-710-116**

**Manufacturing Date: 09DEC2023**

TEST <sup>1</sup>	SPECIFICATIONS	RESULTS
Osmolality	Report results	342 mOsm/kg
Mycobacteria by Culture	Not detected	Not detected
Mycoplasma by Culture	Not detected	Not detected
Mycoplasmatasis	No mycoplasmatasis	No mycoplasmatasis
Total Cell Count	$\geq 5.0 \times 10^6$ cells/mL	$1.1 \times 10^7$ cells/mL
Sterility (Isolator Method)	No growth	No growth
Sterility Suitability Test (Isolator Method)	No bacteriostasis or fungistasis	No bacteriostasis or
Post Thaw Cell Viability	$\geq 75\%$	Fungistasis 75.4%
CO1 Barcode Assay for Cell Line Identification	Identity confirmed by comparison with reference standard	Identity confirmed by comparison with reference standard
Transmission Electron Microscopy	Report results	No extraneous agents observed in the 200 cell profiles examined
Cell Based $\alpha$ -1 Antitrypsin (AAT) by NGS (Transcriptome AAT)	Not detected	Not detected

<sup>1</sup>Tests completed by IDT Biologika, Rockville, Maryland, USA

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19 SEP 2024

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