Product Sheet
CellVantage™ LV

Version: 01

For research use only. Not for use in GMP manufacturing of human or veterinary products.

Product #:	1012.01S-01D
Batch#:	V86PiR01
Storage:	20 ± 5°C, protect from light
Stability:	Use within 1 year of receipt

Product Description

CellVantage™ LV is an enhancer developed to increase Lentivirus (LV) production in suspension HEK293 cell systems. It is formulated to enhance functional LV yield, with demonstrated increases in functional titer across proprietary suspension HEK293 lineages, media and transfection reagents. CellVantage™ LV is complementary with both proprietary and commercial enhancers, and intended for integration into LV manufacturing processes to increase yield.

Analytical Method	Acceptance Criteria	Result
Visual Appearance	Off-white to beige powder	Off-white to beige powder
ID by LC-MS	Conforms to the reference standard	Conforms to the reference standard
Purity by HPLC-UV (% area/area)	≥ 95%	99%
Solubility	Dissolved at 10mM in DMSO	Pass
Biological Activity by LV Functional Titer Assay *	≥ 1.5-fold change	Pass

*** Functional Titer Assay**

CellVantage™ LV is tested for enhanced LV production in suspension HEK293-based cells with a polycationic polymer transfection reagent using a reporter-encoded transfer vector. Functional titer is quantified based on virus-mediated reporter activity and the average result is expressed as a fold change over control baseline-titer.

Digitally signed by Denise van Rossum
Reason: I am approving this document
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Denise van Rossum, VP Product Development — 21-Oct-2026 Date

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Terrence Cochrane , Acting Head of Quality — 21-Oct-2026 Date