



Sf-RVN® Insect Cell Line

A rhabdovirus-free cell line improving the safety profile of bioprocesses

Product Description

The Sf-RVN® Insect Cell Line is a rhabdovirus-negative Sf9 cell line that can be grown in both adherent and suspension culture. Sf-RVN® Insect Cell Line has been adapted for growth in chemically defined medium to be used for the production of recombinant proteins, adeno-associated viruses (AAV) and viral-like particles (VLP). The cell line was tested for adventitious agents and banked under GMP conditions. A technical user guide, with detailed protocols for optimal performances, is provided with the cell line. The EX-CELL® CD Insect Cell Medium, recommended for use, is optimized to get excellent growth and productivity of the Sf-RVN® Insect Cell Line. Combined, these two products form the Sf-RVN® Platform.

Cell Line Origin

Sf-RVN® is an insect cell line originally derived from ovarian tissue of *Spodoptera frugiperda* (*Sf*) pupae. The parental line, IPLB-SF-21 (renamed IPLB-SF-21 AE after adaptation into TC-100 medium), was established by J. Vaughn at the Insect Pathology Beltsville in Maryland, USA in the late 1960's. A subclone, designated Sf9, was established in 1983 by G. Smith and C. Cherry. Sf-RVN® was isolated from Sf9 by GlycoBac, LLC.

Legal Information

The Sf-RVN® Insect Cell Line is sold for research use only. A license agreement must be acquired prior to use of the cell line or any products derived from the cell line in a clinical or commercial process. Please contact your local sales representative for more details.

Product Components

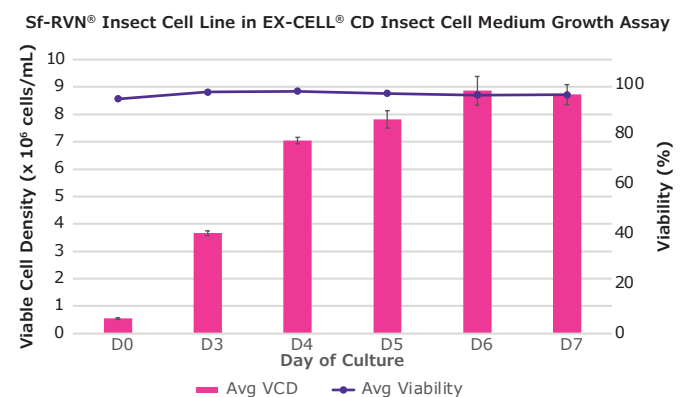
Sf-RVN® cells are provided to customers in vials containing 1 mL at 10×10^6 cells/mL. Cells are banked in EX-CELL® CD Insect Cell Medium and 10% DMSO.

Features and Benefits

- Rhabdovirus-negative cell line: Enhanced risk mitigation and biosafety profile
- Adventitious agent tested and GMP banked in EX-CELL® CD Insect Cell Medium
- Full traceability and documentation available for regulatory filings
- EX-CELL® CD Insect Cell Medium: A chemically defined medium optimized to get excellent growth and productivity of the cell line
- Technical user guide with detailed protocols for optimal performances

Sf-RVN® Insect Cell Line Growth

Typical Sf-RVN® culture viabilities are high nineties (95-98%) when cultivated in the EX-CELL® CD Insect Cell Medium with passaging every 3-4 days. A seven day growth assay performed on the cells in duplicate showed day 7 cell densities at 8×10^6 cells/mL.



Ordering Information

Product	Cat. No.
Sf-RVN® Insect Cell line	
Sf-RVN® Insect Cell line - 1 Vial	SFRVN-1VL
Related Product	
EX-CELL® CD Insect Cell Medium - Dry Powder	24381C
EX-CELL® CD Insect Cell Medium - Liquid	14380C
Escort™ IV Transfection Reagent	L3287
SyntheChol® NS0 Supplement	S5442

BioReliance® Biosafety Services

Contact [MerckMillipore.com](https://www.merckmillipore.com) for additional GMP testing and banking services.

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