

# ESF 921™

## Insect Cell Culture Medium

Widely recognized as the industry standard for BEVS applications, Expression Systems insect cell culture media are designed for maximum virus and protein expression. This serum-free, protein-free insect cell culture medium provides unmatched cell growth and expression for a wide range of insect cells including Sf9, Sf21, Tni (High Five™) and *Drosophila* S2.

- Sf9 cell densities of  $15 \times 10^6$  cells/ml or greater
- Produces high titer baculovirus vector yields of 5E8 to 3E9 infectious units/ml
- Available in 1L bottles and media transfer bags
- Complete, ready-to-use, contains L-glutamine
- Ideal for scale-up manufacturing
- Works with a wide variety of baculovirus and host cell platforms
- In stock for immediate shipment
- Adapted cells available



### Specifications

Media type	Ready-to-use serum-free liquid, 1X
Platform compatibility	Functions with BestBac™, Bacmid, Bac-to-Bac®, BacMam™, MultiBac™ and other BEVS platforms
Cell lines	<i>Spodoptera frugiperda</i> (Sf9, Sf21), <i>Trichoplusia ni</i> (Tni and High Five™) and <i>Drosophila melanogaster</i> (S2)
Shipping condition	Ambient
Storage condition	2-8°C, protect from light
Use-by date	One year from date of manufacture

Order today—and find helpful documentation at [expressionsystems.com](http://expressionsystems.com)



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Insect and Mammalian  
Cell Culture Media, Systems  
and Services

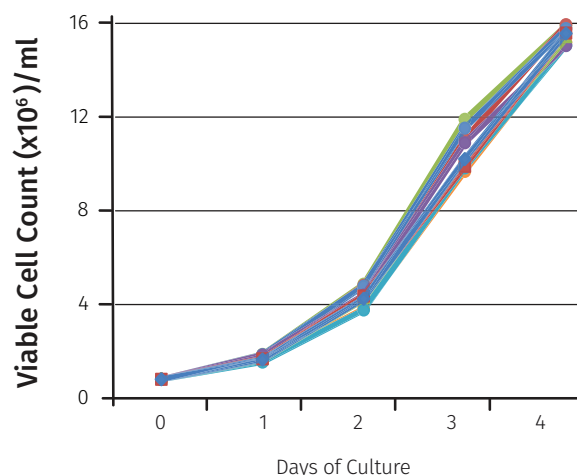
2537 2nd Street  
Davis CA 95618

t 530 747-2035 | 877 877-7421  
f 530 747-2034

# ESF 921™ Insect Cell Culture Medium

## Superior Growth and Reproducibility

Expression Systems' ESF 921™ Insect Cell Culture Medium is designed for maximum expression for applications such as; gene therapy drug substance, virus-like particles, virus vectors and proteins of interest. ESF 921™ is widely recognized as the industry standard for the baculovirus and insect host cell system. The line graph presents reproducible growth curves for Sf9 cell cultures in nine different lots of ESF 921™ medium manufactured over a period of 12 months.



Sf9 cells from a mid-log phase culture were seeded into nine different lots of ESF 921™ at a density of 0.75x10<sup>6</sup>/ml. Cultures were sampled daily to determine viable cell count.

## Additional Products

Expression Systems offers a variety of media formulations for insect and mammalian cell culture. Expression Systems provides tools to support the baculovirus and host cell expression system including baculovirus vectors and kits to determine baculovirus production.

Cell Culture Media and Reagents		Molecular Tools	
96-001	ESF 921™ Insect Cell Culture Medium, Protein Free	95-055	Transfection Reagent
99-300	ESF AF™ Insect Cell Culture Medium, Animal Free	91-001	BestBac™ 1.0 Linearized Baculovirus DNA
96-200	ESF 921™ Delta Series Insect Cell Culture Medium, Methionine Deficient	91-002	BestBac™ 2.0 Δ v-cath/chiA Linearized Baculovirus DNA
96-299	ESF 921™ Delta Series Insect Cell Culture Medium, Custom Amino Acid Deficient	91-100	BestBac™ 1.0 Baculovirus Cotransfection Kit
95-020	Transfection Medium	91-200	BestBac™ 2.0 Δ v-cath/chiA Baculovirus Cotransfection Kit
95-006	Production Boost Additive	97-101	Baculovirus Titering Kit
98-001	ESF SFM Serum Free Cell Culture Medium For Hybridoma, CHO & 293 Cells	97-201	gp64-PE Antibody

## About Expression Systems

Headquartered in Davis, California, Expression Systems specializes in the products, services and support necessary for high quality baculovirus protein production. Our unique focus in BEVS applications helps researchers and clinicians around the world work at the highest level of consistency. At any step in the process, from gene synthesis to protein purification, Expression Systems helps achieve best-in-class results.



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Doc ID: 34722

REV. NO.: 4