

# Get consistent results in serum-free insect cell culture with GIBCO® media and cells

## GIBCO® Sf-900™ III SFM

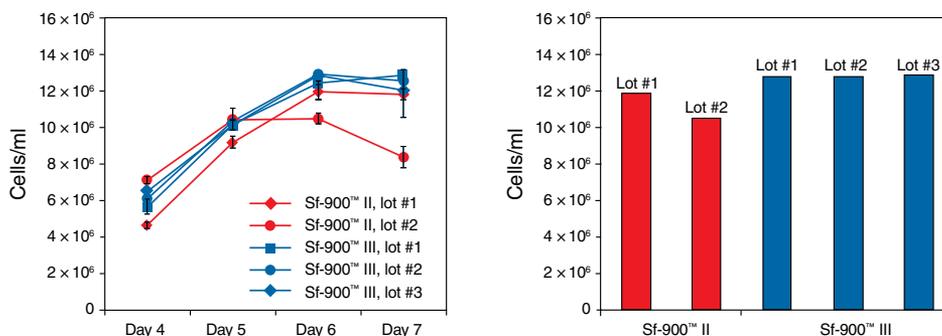
GIBCO® Sf-900™ III SFM is an animal origin-free medium optimized to support and maximize Sf9 and Sf21 cell growth in suspension applications, as well as recombinant gene expression using both baculovirus and stable insect expression systems. This medium contains no components of animal origin, thus minimizing the opportunity for introduction of adventitious agents and facilitating the regulatory process. It will support Sf9 cell growth to densities of 10 to 14 × 10<sup>6</sup> cells/ml (Figure 1), and offers:

- A protein-free formulation with a low hydrolysate concentration, for improved lot-to-lot consistency and reliability
- Freedom to add the supplements you need for flexibility and control over your process
- Convenient 500 ml, 1 L, and 10 L packaging
- Compatibility with available pre-adapted cells for faster turnaround

## Sf9 and Sf21 cells

For your convenience, we also offer Sf9 and Sf21 cells that are pre-adapted to suspension growth in Sf-900™ III SFM and commonly used for expression of recombinant proteins using the Baculovirus Expression System (BEVS). Sf9 is a clonal isolate derived from the parental *Spodoptera frugiperda* cell line IPLB-Sf21-AE. Sf21 is an isolate from *S. frugiperda* ovarian cells.

GIBCO® Sf-900™ III SFM is specifically designed to offer high performance and yield using Sf9 and Sf21 cells in both baculovirus and stable expression systems in a serum-free environment. Try GIBCO® Sf-900™ III SFM and cells in your system today and experience the difference.



**Figure 1—Sf9 cell growth and density in Sf-900™ III SFM medium.** Sf9 cells were maintained in Sf-900™ II SFM (shown for comparison) and Sf-900™ III SFM medium. After 6 passages in the test media, cell growth curves were determined by seeding 30 ml cultures in 125 ml shake flasks at 500,000 cells/ml (3 replicates for each medium) and counting viable cell number on each day post-seed.



## Cell Culture

### Custom production and packaging

When you need a unique formulation or special packaging, our Custom Product Services team can modify GIBCO® catalog media formulations and packaging to meet your particular requirements. We can produce liquid media in volumes as small as a few liters to >30,000 Liters, or >100,000 Liters in Advanced Granulation Technology™ (AGT™) format. In addition, we offer large media bag packaging options up to 500 Liters. The Custom Product Services team can also assess feasibility and provide options for formulation design, testing, and packaging for your proprietary formulations. For information, call your regional customer service representative or go to [www.invitrogen.com/GIBCO](http://www.invitrogen.com/GIBCO).

### Ordering information

Product	Quantity	Cat. no.
SF-900™ III SFM (1X), liquid	500 ml	12658-019
SF-900™ III SFM (1X), liquid	1,000 ml	12658-027
SF-900™ III SFM (1X), liquid	10 L	12658-035
Sf9 Cells Adapted in Sf-900™ III SFM	1.5 ml	12659-017
Sf21 Cells Adapted in Sf-900™ III SFM	1.5 ml	12682-019

#### Related Products

4% Agarose Gel	40 ml	18300-012
Cellfectin® Reagent	1 ml	10362-010
BaculoDirect™ C-Term Expression Kit	5 rxns	12562-013
BaculoDirect™ C-Term Transfection Kit	5 rxns	12562-039
Bac-N-Blue™ Transfection Kit	5 rxns	K855-01
Bac-to-Bac® Baculovirus Expression System	1 kit	10359-016
Bac-to-Bac® Vector Kit	1 kit	10360-014

For current prices, please visit [www.invitrogen.com](http://www.invitrogen.com).