

# Baculovirus

## Titering Service

Expression Systems is pleased to offer baculovirus titering services to help our customers maximize expression and reproducibility. Accurate titering of recombinant baculovirus is an important step in protein production optimization. A high throughput, flow cytometric assay is utilized to quantitate infectious baculovirus particles produced in insect cell culture, allowing for accurate virus titer determination for multiple conditions in less than 24 hours. The assay detects the cell surface expression of gp64 after a short incubation period allowing for a single round of infection. Virus infected cells are then assessed by flow cytometric analysis for gp64 expression.

Baculovirus titering is routinely set up on Wednesdays with data delivery Thursday afternoon PST. Samples should be received by noon Wednesday to be set up that week.

### Ship

- 0.5-1 ml of virus stock (as little as 200  $\mu$ l can be titered with advance notice)
- sterile aliquots in 2 ml screw cap tubes or equivalent. Ship overnight on cold packs.

### Ship to

**ATTN:** Titering Service  
Expression Systems  
2537 2nd Street  
Davis, CA 95618

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



An **Advancion** Company

Insect and Mammalian  
Cell Culture Media, Systems  
and Services

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Davis CA 95618

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## Titering Service

### Baculovirus Titer Service FAQ

#### How much virus do I need to ship?

We prefer 1.0 mL but can run the assay with 0.5 mL. If necessary, we can use as little 200 µL but that requires advance notice.

#### How do I need to ship my virus samples?

Samples need to be sterile and should be ideally sent in cryovials or some other small screw cap tube. Eppendorf tubes and 15 mL conicals are not appropriate. *(We have experienced cracking of 15 mL conical tubes during shipment.)*

The sample should NOT be frozen but should be shipped overnight on cold packs. For customers that would like to submit more than 10 samples, we request advance notice *(the Monday before they ship, for example, is a reasonable notice.)*

#### How do I place an order?

Use our Sample Submission form at [expressionsystems.com](http://expressionsystems.com)

#### When will I receive my results?

Titer data for samples received by noon on Wednesday are emailed Thursday afternoon Pacific Standard Time.

### 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: 46363

REV. NO.: 1