

QUICK START GUIDE to the *flashBAC*[™] System

Instructions for *flashBAC*[™], GOLD, ULTRA and PRIME



Storage	Tightly capped at 4°C, DO NOT FREEZE
Product Guarantee	1 year from the date of purchase, when properly stored and handled

<i>flashBAC</i> [™] DNA TRANSFECTION PROTOCOL	Full protocol and additional documentation available at www.oetltd.com
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Provided in kit:

flashBAC[™] DNA (use 100ng [5µl] per co-transfection 20ng/µl)

Positive-control vector DNA (use 500ng [5µl] per co-transfection 100ng/µl)

To be provided by the user:

- Transfection reagent – reagents tested and found to be successful: baculoFECTIN II (OET), Lipofectin[®] (Invitrogen), FuGENE 6 (Promega), GeneJuice[®] (Novagen).
- Transfection media (e.g. Grace's Insect Basal Medium or TC100).
- 35mm tissue culture treated dishes seeded with Sf21 (1.4×10^6 cells/2mls), or Sf9 (1×10^6 cells/2mls) per dish.
- Prepare 2 hours before transfection.
- Sterile baculovirus transfer vector DNA containing gene of interest (500ng per co-transfection).

Procedure: (as recommended with the use of baculoFECTIN II, other reagents may differ)

A) Prepare DNA transfection complexes.

1. Warm baculoFECTIN II to RT and vortex gently
2. Place 100µl transfection medium in a sterile tube.
3. Add 5µl (100ng) *flashBAC*[™] DNA. Tap tube to mix.
4. Add 5µl (500ng) plasmid transfer vector. Tap to mix.
5. Add 1.2µl of baculoFECTIN II. Tap to mix.
6. Incubate at RT for 15-20 minutes.

B) Add DNA complexes to cells.

1. Remove 1ml medium from each dish required
2. Add baculoFECTIN II:DNA complex mixture drop-wise to different areas of the dish.
3. Incubate 16-24 hours
4. Add 1ml fresh medium to each culture dish.
5. Incubate for 4 days at 28°C (5 days from start of co-transfection).

C) Harvest P0 virus stock.

1. Aspirate medium from dishes and remove cells @ 3000 rpm/10 mins
2. Amplify virus stock using recommended protocols (www.oetltd.com)

Related OET products:

Transfection Reagents:

*baculo*FECTIN II 150µl and 1ml

*flash*FECTIN: 300µl and 1 ml

Transfection medium:

Expression System: 20ml and 100ml transfection media

Virus titration tool:

*baculo*QUANT all-in-one

Sf21 (plaque assay cells)

Plaque assay service work

Cell culture media:

Expression systems insect cell culture media, check out insect culture media on our website

Keep up to date with our online tips on our OETips webpages and our OETips blog (<https://oetltd.wordpress.com/>)

Experiencing any troubles? Please feel free to contact our staff at info@oetltd.com and we would be happy to help however we can.

Oxford Expression
Technologies Ltd
Oxford Brookes Campus
Gipsy Lane
Oxford OX3 0BP

t: +44 (0) 1865 483236
f: +44 (0) 1865 483250
e: info@oetltd.com
w: www.oetltd.com

