# SF-4 BACULO EXPRESS INSECT MEDIUM

BioConcept

# SF-4 Baculo Express Serum Free Insect Medium

Extensive development and further investigation on the nutritional needs of insect cells, based on the excellent performance of SF-1, resulted in our improved "ready to use" SF-4 Baculo Express medium. SF-4 Baculo Express medium is a proprietary serum free formulation which has successfully been used to grow various *Spodoptera frugiperda* (SF9, SF21), BTI-TN-5B1-4 (High Five™) and *Drosophila melanogaster* (D.Mel-2) cells. With SF-4 Baculo Express media all cell types can be cultivated: monolayer-, spinner- or shaking cultures, adherent cells and suspension cells. The medium contains all additives necessary for the cultivation of insect cells in the optimal concentration: steroids, amino acids, organic acids, glutamine and glucose. The medium is designed for efficient infection and expression with the Baculovirus system. Already successfully used in different academic and industrial laboratories, SF-4 Baculo Express medium shows the following improvements:

- High Cell Density: Densities up to $2\times10^7$ cells /ml could be achieved using SF-4 in bioreactors and spinner flasks
- Versatility: Not only suitable for SF9 and SF21 but also High Five™ and *Drosophila* cells
- Fast Adaptation: Only few passages are needed, if you switch from your current serum supplemented medium (e.g. TC-100 or Grace's). Direct switch from your current serum free (but not protein free) medium is possible for some of the commercially available media
- High Protein Yield: Results indicate an increased protein yield (1.5–2.7 times) in recombinant protein production compared to previously used media

## Available SF-4 Baculo Express Serum Free Media

| Cat. No. | Description | Size | Protein free |
|---|---|---|---|
| 9-00F38-I/K | SF-4 Baculo Express ICM "ready to use" | 500 ml/1 L | contains yeast extract |
| 9-07S38-I | SF-4 Baculo Express (1.1 × conc.), w/o yeast extract, w/o L-Valine | 500 ml | x |
| 9-10S38-I | SF-4 Baculo Express (1.1 × conc.), w/o yeast extract, w/o Methionine | 500 ml | x |
| 9-05S38-I | SF-4 Baculo Express (1.1 × conc.), w/o yeast extract, w/o L-Tyrosine | 500 ml | x |
| 9-02S38-I | SF-4 Baculo Express (1.1 × conc.), w/o yeast extract, w/o amino acids | 500 ml | x |

Amino acid depleted SF-4 media (Cat. No: 9-07S38-I, 9-10S38-I, 9-05S38-I and 9-02S38-I) are an efficient reagent for isotope labeling in NMR studies. Other modifications are available upon request at info@bioconcept.ch

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