



## Production of Recombinant Protein Using the Baculovirus Expression Vector System (BEVS)

1. Seed Sf9 or High Five™ cells in shaker flasks, Fernbach flasks, or a bioreactor at  $5 \times 10^5$  cells/ml and grow for 3-5 days in HyQ© SFX-Insect™ medium until the cell density reaches  $4 - 8 \times 10^6$  cells/ml with 95% viability.
2. Remove spent medium by aspiration from sedimented/concentrated cells or hollow fiber and resuspend the cells to the original volume in a resident vessel.
3. Subculture the cells from the resident vessel by seeding  $2 - 5 \times 10^6$  cells/ml into appropriate physiological and physiochemical equilibrium. Perform cell count for viability (culture should be about 95 to 98% viable). Infect cells with desired multiplicity of infection (MOI). The MOI of 0.5 to 2.5 infectious units per cell is a typical range.
4. Harvest at optimum expression time.