Cell line designation: IPLB-Ekx4S

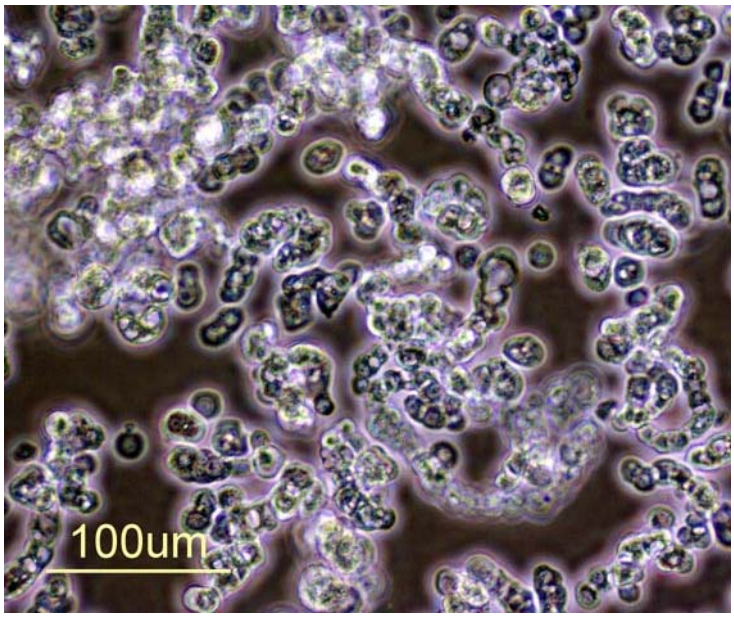
Tissue source: *Ephestia kuehniella*

Date initiated: September 2002

Morphology: small aggregates or chains of cells growing in suspension.

Karyology: unknown

Culture medium: Ex-Cell 420 with 5% (v/v) heat inactivated fetal bovine serum (available from JRH Biosciences, Lenexa, KS)



Subculture procedure: At one week intervals, cells in a confluent culture are gently dispersed by drawing the growth medium in and expelling from a 5-ml pipet two to three times. This is done without disturbing any attached cells (thus maintaining this as a suspended strain). 0.4 ml is transferred to a new 25-cm^2 culture flask containing 3.6ml fresh medium (=1:10 split)

Comments: These cells originally grew as multicellular vesicles but subsequently changed their morphology to the current condition about approximately a year in culture. Cells are susceptible to baculoviruses originally isolated from *Autographa californica, Anagrapha falcifera, Heliothis armigera, Rachoplusia ou, Galleria mellonella* and *Plutella xylostella* while being only slightly susceptible to *Anticarsia gemmatalis* NPV, and with no apparent susceptibility to the NPVs from *Helicoverpa zea* or *Lymantria dispar*

Reference: Lynn, D. E., Ferkovich, F. M., 2004. **J. Insect Sci. 4** (9): 5pp. Available online: insectscience.org/4.9.