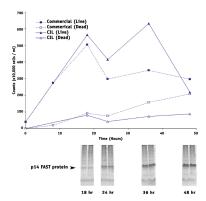
RESEARCH PRODUCTS

BioExpress® 2000 Insect Cell Media

Results from CIL

Infected Cell Growth

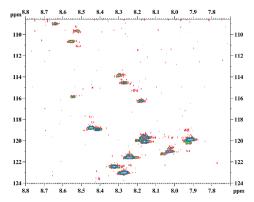
Commercial Media vs. CIL's BioExpress® 2000 (unlabeled)



SF-21 cells were grown in standard SF9 media to optimum cell density, spun down and resuspended in baculovirus, then topped off with standard SF9 media. The cells were incubated for one hour, spun down again and excess supernatant removed. The cells were then resuspended in 500 mL of ClL's BioExpress® 2000 either unlabeled, selectively labeled with ¹⁵N Val, ¹⁵N Leu and ¹⁵N Ser or uniformly labeled with ¹⁵N and grown over 48 hours. There was less-than-usual cell death as compared to commercial SP9 media and a higher efficiency of infection.

¹H-¹⁵N HSQC of P14 FAST Protein

Labeled with ¹⁵N Val, ¹⁵N Ser and ¹⁵N Leu Using CIL's BioExpress® 2000

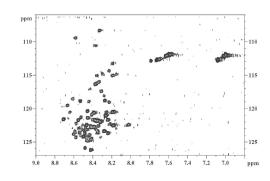


90% $\rm H_2O/10\%~D_2O;~ph7;~500~mM$ octyl glucoside; 50 mM HEPES; 300 mM NaCl.

Results obtained by: Dr. David L. Jakeman and Dr. Ray T. Syvitski, College of Pharmacy, and Dr. R. Duncan and Mr. Deniz Top, Department of Microbiology, Dalhousie University, Nova Scotia, Canada.

¹H-¹⁵N HSQC of P14 FAST Protein (U-¹⁵N)

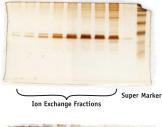
Produced from CIL's BioExpress® 2000 Insect Cell Media

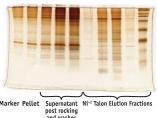


90% H₂O/10% D₂O; 318 K; pH 5.5 in octyl glucoside.

¹⁵N-Labeled P14 FAST Protein Expression CIL's BioExpress® 2000 (¹⁵N Val, ¹⁵N Ser and ¹⁵N Leu)

CIL's BioExpress® 2000 (¹5N Val, ¹5N Ser and ¹5N Leu)
~16 mg/500 mL Media





The cells were spun down and the pellet frozen at -70°C. The protein was purified using a standard protein-purification protocol, first by Ni+2 talon resin followed by ion exchange chromatography. Total p14 protein was calculated to be 16.3 mg from a 500 mL preparation as measured by a Lowry assay using BSA as standards.