

Insect Cell Expression Media Instructions

This medium has been tested using the SF9/Baculovirus expression system and the resulting growth and expression characteristics were found to be comparable to those using unlabeled commercial media. All isotopically enriched versions of BioExpress® 2000 will have the same formulation as the unlabeled version and therefore will give rise to similar growth and expression data as the unlabeled version.

Isotopically enriched BioExpress® 2000 is available for many types of labeling schemes. These schemes range from complete, uniform ^{13}C ; ^{15}N labeling to selective labeling of one or more amino acid residues that contain any of the labeling patterns included in CIL's extensive repertoire of labeled amino acids. BioExpress® 2000 is also available with or without the entire carbohydrate fraction uniformly enriched in ^{13}C .

Instructions for Use

Each bottle and each tube contain enough material for 200 mL liquid media. Please use the following instructions for formulation.

1. Transfer approximately 180 mL cell culture grade water to the amber bottle containing the CIL Media components.
2. Mix thoroughly and pour the solution into a suitable container that can contain 200mL for further preparation.
3. Add 2 mL liquid to the solution. (Note: The plastic tube contains between 4 - 5 mL liquid. Only 2 mL should be added to the solution.)
4. Adjust the pH of the solution to 6.2 +/- 0.2 using 1N KOH or 1N HCl.
5. Adjust the osmolality of the solution to 370-390 mOsm with 2.5 g/L NaCl.
6. Fill the container to 200 mL with cell culture grade water and mix for at least 60 minutes. Keep container covered while mixing.
7. Sterile filter the solution with a low protein binding 0.2 μm membrane filter.
8. Store away from light at 2-8 °C until ready to use.



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