



## Insect Cell Media

The Baculovirus Expression Vector System (BEVS), first introduced in the mid-1980s, has grown to become the most versatile and widely used eukaryotic vector system employed for the expression of recombinant proteins in cultured insect cells. The BEVS is based on the infection of insect cells with recombinant baculovirus (BV) carrying the gene of interest with the subsequent expression of the corresponding recombinant protein by the insect cells. The most popular insect cell lines used in conjunction with the BEVS are Sf9 (*Spodoptera frugiperda*) and High Five™ (*Trichopulsia ni*).

CIL is proud to offer BioExpress® 2000, a rich growth media for culturing insect cells. The use of experimental design in the optimization of protein yield using BioExpress® 2000 is exemplified in CIL Application Note 20 at [www.isotope.com](http://www.isotope.com).

BioExpress® 2000 is packaged as two components: a solid powder (a proprietary blend of inorganic salts, carbohydrates and labeled amino acids) and a liquid component (fatty acid solution). Selective amino acid-type labeling is possible with BioExpress® 2000 because the amino acid content is chemically defined.

**Refer to [www.isotope.com](http://www.isotope.com) for protocol on uniform isotope labeling of proteins with BV-infected Sf9 cells.**

BioExpress® is a registered trademark of Cambridge Isotope Laboratories, Inc.

### Insect Cell Media

| Catalog No.     | Description   |
|-----------------|---|
| CGM-2000-N      | BioExpress® 2000 (U- <sup>15</sup> N, 98%)  |
| CGM-2000-N-S    | BioExpress® 2000 (U- <sup>15</sup> N, 98%) (200 mL media kit)                         |
| CGM-2000-CN     | BioExpress® 2000 (U- <sup>13</sup> C, 98%; U- <sup>15</sup> N, 98%)                   |
| CGM-2000-U      | BioExpress® 2000 (unlabeled)  |
| CGM-2000-U-S    | BioExpress® 2000 (unlabeled) (200mL media kit)  |
| CGM-2000-CUSTOM | BioExpress® 2000 (Labeled amino acids to be specified by customer at time of request) |