

## Mammalian Cell Media

There is continued interest in obtaining labeled recombinant protein from mammalian cells because eukaryotic protein expressed in mammalian cells has the greatest probability of being properly folded and functional.

CIL offers the only commercially available labeled mammalian media intended for the production of labeled protein with yields suitable even for NMR studies. Similar growth characteristics should be obtained using BioExpress® 6000 as with using

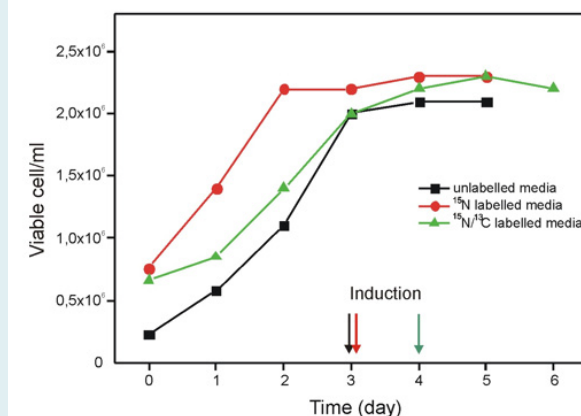
Dulbecco's Modified Eagle Medium (DMEM). The amino acid content in BioExpress® 6000 is chemically defined so many different custom labeling strategies may be realized. Please see the growth curves below for HEK293 cells cultured in unlabeled, <sup>15</sup>N-labeled and <sup>13</sup>C,<sup>15</sup>N-labeled BioExpress® 6000.

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

### Mammalian Cell Media

Catalog No.	Description
CGM-6000-N	BioExpress® 6000 (U- <sup>15</sup> N, 98%)
CGM-6000-N-S	BioExpress® 6000 (U- <sup>15</sup> N, 98%) (200 mL media kit)
CGM-6000-CN	BioExpress® 6000 (U- <sup>13</sup> C, 98%; U- <sup>15</sup> N, 98%)
CGM-6000-U-S	BioExpress® 6000 (unlabeled) (200 mL media kit)
CGM-6000-CUSTOM	BioExpress® 6000 (Labeled amino acids to be specified by customer at time of request)

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Number of viable cells per mL of culture for differently labeled CIL media. Cells induced on day three and four and harvested two days later. No differences in cell densities are seen. Protein yield is approximately 2.2 mg/L cell culture in all cases. Data provided by Professor Harold Schwabe, Karla Warner and Professor Judith Klein-Seetharaman.