

Cell Growth Enhancer for Suspension Cells

CATALOG NO: CELEH01

DESCRIPTION

Cell Growth Enhancer (CELEH) is designed to enhance cell growth in the mammalian cells. CELEH is a chemically defined and protein-free cell culture medium supplement designed to provide optimal nutrients to a variety of cell lines. The enhancer is fully formulated to meet high yield and high cell viability requirements through the optimization of cell growth metabolism.

In general, the cell production supplied with the enhancer can achieve significantly higher yield, with double or many-folds increases in suspension such as HEK 293 or CHO cells compared to other common media.

FEATURES:

- Convenient to use.
- Dramatically increase cell growth and viability.
- Compatible with most media formulations.
- Defined protein-free formulations without any animal-derived components.

CONCENTRATION: 10X CONCENTRATED

SIZE: 250 mL

STORAGE: Store at 2-8 °C for 12 months

RECOMMENDED APPLICATION

CELEH aids in mammalian cell culture-based cell growth applications by providing concentrated nutrients to the cell culture throughout the mid-culture phase. In general, CELEH is beneficial for any mammalian cell growth. The final supplement amount of CELEH is 1X in the culture, although the optimal volume may vary based on the cell line, expression level, basal media, and culture mode used.

- 1) For transient transfection expression, we suggest starting CELEH feed one day after transfection by one-time feed or multiple-time feed up to two days before the culture end, or at designated culture times. The final feed volume should be 0.5-1X in the culture, depending on the protein expression level, or an optimized volume in the culture for specific protein expression.
- 2) For stable cell line expression, CELEH feed starts when the cell density in the culture reaches 2.0×10^6 cells/mL by one-time feed or multiple-time feed up to two days before the culture end, or at designated culture times. The final feed volume should be 0.5-1X in the culture, depending on the protein expression level, or an optimized volume in the culture for specific protein expression.
- 3) For a bioreactor process, CELEH feed starts when the cell density in the culture reaches to 2.5×10^6 cells/mL by a continuous feed model up to one day before the process end. The final feed volume should be 0.5-1X in the culture, depending on the protein expression level, or an optimized volume in the culture for specific protein expression.

For Research Use Only.