

Technical Data Sheet

ActiFroxx Feed 2 Supplement for CHO cells w/o L-Glutamine

for cell biology

Order number: 2513

ActiFroxx Feed 2 Supplement is a serum-free feeding supplement, which increases fed-batch productivity with Chinese Hamster Ovary (CHO) cells. ActiFroxx Feed 2 Supplement is a balanced formulation of selected amino acids in a concentrated form.

ActiFroxx Feed 1 and Feed 2 Supplements are feed additives especially matched to the ActiFroxx Expression Medium for CHO cells. Combining those increases fed batch productivity 3- to 5-fold compared to batch culture conditions. ActiFroxx Feed 1 Supplement contains concentrated amino acids, vitamins, salts, trace elements and a carbon source.

ActiFroxx Feed 2 Supplement is a clear solution. Store at 2 - 8°C protected from light. Once opened use within 6-8 weeks.

ActiFroxx Feed 2 Supplement is for research use and further manufacturing only.

Instructions for use:

Feeding Strategies: Fed-batch with the ActiFroxx Expression Medium

The feeding supplements ActiFroxx Feed 1 and ActiFroxx Feed 2 are used with ActiFroxx Expression Medium. For fed-batch culture optimization ActiFroxx Expression Medium must be supplemented with ActiFroxx Feed 1 (starting with 1/25 volume of ActiFroxx Expression Medium) and ActiFroxx Feed 2 (starting with 1/10 volume of ActiFroxx Feed 1) daily or at other time intervals.

Feeding option for normal growing cells (peak cell concentration > 1×10^7 /ml):

25 ml ActiFroxx Expression Medium per flask
+ 0.5 ml ActiFroxx Feed 1 + 0.05 ml ActiFroxx Feed 2

Time	Day 1-3	From day 4
ActiFroxx Feed 1	-	0.5 ml/flask
ActiFroxx Feed 2	-	0.05 ml/flask

Feeding option for fast-growing cells

25 ml ActiFroxx Expression Medium per flask
+ 0.75 ml ActiFroxx Feed 1 + 0.075 ml ActiFroxx Feed 2

Time	Day 1-3	From day 4
ActiFroxx Feed 1	-	0.75 ml/flask
ActiFroxx Feed 2	-	0.075 ml/flask



Feeding option for very slow-growing cells

25 ml ActiFroxx Expression Medium per flask
+ 0.425 ml ActiFroxx Feed 1 + 0.0425 ml ActiFroxx Feed 2

Feeding option for very fast-growing cells

25 ml ActiFroxx Expression Medium per flask
+ 1.0 ml ActiFroxx Feed 1 + 0.1 ml ActiFroxx Feed 2

! For large scale fed-batch please scale up and use the ratio from small scale optimization!

Related products

- 2344 ActiFroxx Expression Medium (Powder) for CHO cells w/o Insulin and L-Glutamine, with Pluronic™
- 2139 ActiFroxx Feed 1 Supplement (Powder) for CHO cells w/o Insulin, w/o L-Glutamine

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