

## Effects of medium supplementations on production of recombinant antibody from Chinese hamster ovary cell in a chemically defined medium

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Generally, additional supplementation of amino acids and vitamins to media has resulted in remarkable increase in viable cell density and final antibody production. Also, various inorganic salts and other components are known to improve the cell growth and productivity of therapeutic protein when they are added to media.

In this study, additional supplementations of various components in a chemically defined medium which was developed from the basic of the composition of Iscove's modified Dulbecco's medium was investigated for development of fortified medium.

Two different recombinant CHO cell lines originated from DUKX and DG44 were used for evolution.

From this study, optimal concentrations of major medium components were suggested.