METABOLICALLY OPTIMIZED CELL CULTURE

ABSTRACT

An improved method for large scale production of proteins and/or polypeptides in cell culture is provided. In accordance with the present invention, the method provides for culturing cells that have metabolically shifted. The use of such a method or system allows high levels of protein or polypeptide production and reduces accumulation of unwanted metabolic waste such as lactate. Proteins and polypeptides expressed in accordance with the present invention may be advantageously used in the preparation of pharmaceutical, immunogenic, or other commercial biologic compositions, such as antibodies.

[Figures 1A-1C]