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(54) **Title**: METHODS & COMPOSITIONS FOR IMPROVING PROTEIN PRODUCTION

(57) **Abstract**: The invention relates to compositions, and uses thereof, which are beneficial for eukaryotic cells in culture, and methods for their use in promoting cell growth, viability and recombinant protein expression. The methods disclosed in the present application are useful, for example, for improving cell viability and in accelerating the rate of cell growth of cells grown in culture. In one aspect, the supplements of the invention are useful for improving or enhancing the yield of the recombinant proteins from the cell cultures.