

The Effect of pH, Temperature and Medium Compositions on the Growth of *Streptococcus Zooepidemicus*

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Streptococcus zooepidemicus is a bacteria finding useful in the production of hyaluronic acid. The basic knowledge of the cell growth and metabolism are extremely important to achieve good production of hyaluronic acid. This paper will present experimental data on the variation of pH, temperature and medium compositions to the growth of *Streptococcus zooepidemicus*. The optimum growth conditions extensively applied in the batch culture at anaerobic condition and the glucose concentration of 15 g/l. For the fedbatch culture the intermittent addition of glucose and yeast extract results in the extension of cell growth and the number of cell by 50%.