

P33

**Effect of aeration on production of exopolymer
by *Pseudomonas elodea* NK-2000**

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Pseudomonas elodea NK-2000 produced extracellular polysaccharide, called gellan, under nitrogen limitation and aerobic condition. The effect of aeration on cell growth and the production of gellan was investigated. The aeration rate for 7.5 L fermentor was 0.5, 1.0, and 1.5 vvm. Production of gellan increased with higher aeration rate. Cell growth with 1 vvm was about 2 times higher than with 0.5 and 1.5 vvm. Maximal cell growth and the production of gellan from 2%(w/v) glucose were 3.35 g/l and 3.80 g/l, respectively, when aeration rate was 1.0 vvm.