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**Effect of nitrogen and carbon sources on production of  
exopolymer by *Pseudomonas elodea***

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Exopolymer was produced by *Pseudomonas elodea* under aerobic condition. Nitrogen and carbon sources in medium affected cell growth and production of exopolymer. Ammonium nitrate limitation was found to be essential for higher production of exopolymer. Conversion rate of exopolymer without ammonium nitrate was about 5 times higher than with ammonium nitrate. One of the most effective sole carbon source was glucose. Maximal production of exopolymer was obtained 5.6g/l when the carbon source was 2%(w/v) of glucose under the nitrogen limitation and aerobic condition.