

EFFECT OF THE IRON SOURCES ON THE SIDEROPHORE PRODUCED FROM *BACILLUS POLYMYXA*

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Abstract

To investigate the siderophore production from *Bacillus polymyxa*, an iron free combined carbon source medium has been used for cultivation. In the condition without addition of iron exhibit the long lag phase whereas Na₂FeEDTA, 0.1-2.0 μM FeCl₃·6H₂O and DFOB can reduce the lag phase period. Siderophore produced from *B. polymyxa* was detected in the condition present only 10-20 ng/ml of DFOB during the stationary phase of growth.

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