

Newly screened *Pseudomonas* sp. producing polyhydroxyalkanoates consisting of SCL and MCL monomers

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Polyhydroxyalkanoates (PHAs) consisting of short-chain length (SCL) and medium-chain length (MCL) monomer units possess superior material properties compared with those consisting of only SCL or MCL monomer units (1). Many microorganisms have been reported to produce such PHAs from various carbon sources (2). New strain was isolated from activated sludge and found out to produce polyhydroxyalkanoates (PHAs) from various carbon sources such as glucose and fatty acid. GC analyses revealed that these PHAs consisted of SCL and MCL monomer units from C4 to C12.

In this study, we report the details on the biosynthesis and characterization of PHAs from newly screened strain from activated sludge.

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References

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