Continuous production of lignin-degrading enzymes by *Bjerkandera adusta* immobilized on polyurethane foam

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Abstract

Continuous production of lignin-degrading enzymes by *Bjerkandera adusta* immobilized on polyurethane foam gave maximum activities of 220 U lignin peroxidase ml^{-1}, 150 U manganese peroxidase ml^{-1}, 50 U laccase ml^{-1} and 6.2 U protease ml^{-1} at the retention time of 24 h for 60 days. Protease secretion destabilized the produced lignin peroxidase, manganese peroxidase and laccase.

Bjerkandera adustacontinuous productionimmobilized culturelignin-degrading enzymespolyurethane foam