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Polyhydroxyalkanoates, Escherichia coli, Pseudomonas aeruginosa and low cost substrate

cheese whey and 5% of soybean oil, beyond 1 mM of acrylic acid.

as supplement and acrylic acid as fatty acids  $\beta$ -oxidation inhibitor. Their effect on the cell mass and the PHA content had been evaluated through an experimental design  $2^4$ . The best results had been obtained with DH10B strain: Dry cell weight of 1.02 g L<sup>-1</sup> and 23% of PHA (9 mol% 3-hydroxybutyrate, 4.5 mol% 3-hydroxyoctanoate, 30.7 mol% 3-hydroxydecanoate and 55.8 mol% 3-hydroxydodecanoate), in mineral media containing 5% of hydrolyzed corn starch, 5% de

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