

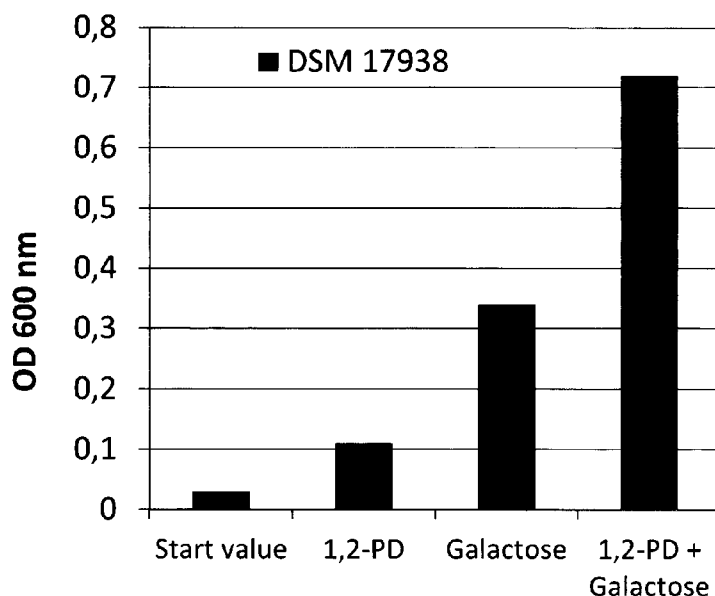


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(54) **Title:** INDIRECT SUBSTRATES FOR MICROORGANISMS METABOLIZING 1,2-PROPANEDIOL

Figure 1



(57) **Abstract:** The present invention relates generally to enhanced activity of certain probiotics. The increased efficacy is achieved by using certain substrate components that indirectly supply the probiotics with a specific source of energy. The substrate components are specifically designed to stimulate 1,2-propanediol production. The substrate is exemplified with rhamnose, fucose, pectin with a high percentage of rhamnose, and fucodian having a high percentage of fucose.

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