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Effects of Sugars and Aspartame on the Uptake and by Caco-2 Cells Cultured in Serum-Free Medium

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To evaluate the influence of sugars (glucose, fructose, lactose) and uptake and transport of iron, we investigated iron uptake by monol and the transport of iron from the apical to the basal chamber when grown on polycarbonate membrane inserts in serum-free medium (transferrin and selenious acid). Iron uptake in fructose and glucose than in lactose and the control groups (p<0.05). When the concent or glucose was increased from 2 μ M to 20 μ M, the uptake and trasignificantly increased. Aspartame 2 μ M increased the iron uptake

Keywords: serum-free medium, Caco-2 cells, aspartame, fructose

uptake, iron transport

[PDF (367K)] [References]

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