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Effects of succinate on the growth rates of potato, Rauwolfia, and ginseng in vitro

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Abstract

Effects of succinate on in vitro potato reproduction, callus cultures of Rauwolfia serpentina, and Panax ginseng roots were studied. The optimum succinate concentration giving the maximum the growth rate of potato shoots and callus mass, was found to be 10^{-5} M. Succinate treatment increased the absolute yield of the alkaloid ajmaline in Rauwolfia callus culture, in spite of a decrease in its specific content.
