

Study on The Shoot Tip Culture of Ginger

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Abstract

For the purpose of rapid propagation health plantlets of ginger, shoot tips culture were studied in “Kuntun” cultivar. Shoot tips of 0.3 to 0.5 mm in size were cultured in MS, VW, W and B5 medium under solid form culture. Results showed that B5 medium was the best among the media tested in terms of survival rate and shoots formation. Shoots can be increased when BA was added in the rate of 2 mg/l and 5.5 shoots per tip can be obtained. The suitable medium for rooting of ginger plantlet was MS basic medium supplement with 1 mg/l NAA.

Key words: Ginger, Shoot tip culture, Health plantlet, Paraffin section.

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