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The invention refers to biotechnology and may be used for micropropagation *in vitro* of *Rhodiola rosea* L. plants. The process includes cultivation of minirhizomes and explants from minirhizomes, obtained from auxillary meristems on the Murashige-Skoog agar nutrient medium, containing additionally activated coal in the quantity of 1200 mg/l, having pH 6,5, at a temperature of 26°C and air relative humidity of 70% with a photoperiod of 16 hours and illumination intensity of 1000 lx.

The result of the invention consists in increasing the *Rhodiola rosea* L. plant multiplication coefficient due to the increase of the shoot formation intensity.

Claims: 1