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The Micropropagation of Snowdrop (Galanthus ikariae Baker.): Effects of Different Explant Types, Carbonhydrat Sources and Doses and pH Changes in the Medium on the Bulblet Formation

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Abstract: The most suitable explant type, carbonhydrat source and doses, pH level for the in vitro propagation of G. ikariae Baker. were determined. Bulb tissues prepared differently (bulb tissue segments and individual or twin bulb scales) were used as explants. The effects of different kinds (saccharose, glucose, fructose, malthose and lactose) and doses (2, 3, 6%) added to nutrient medium and pH changes in the medium were examined on bulblet formation. Bulb tissue segments and individual or twin bulb scales were productive in bulblet formation. The most suitable pH level was determined as 5.5. 6 % saccharose led to the formation of highest number of bulblets.

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