

Mikrorozmnażanie *Leucojum aestivum* L. w bioreaktorze RITA[®]

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Micropropagation of *Leucojum aestivum* L. in bioreactor RITA[®]

Summary

Embryogenic callus of *Leucojum aestivum* was transferred to solid and liquid media in bioreactor RITA[®] vessels. Callus growth on the liquid medium enriched with 2 and 5 μM Picloram and 0.5 μM BA was characterized by a higher multiplication index. The greatest number of somatic embryos was observed on the callus multiplied in bioreactor using 5-minute flushing with the medium. Globular embryos developed into torpedo-stage embryos and plantlets under the influence of NAA (0.5 μM) and zeatin (5 μM). Liquid medium promoted the development of *L. aestivum* somatic embryos and plantlets.

Key words:

Amaryllidaceae, embryogenic callus, somatic embryos, bioreactor RITA[®]

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