In vitro Micropropagation of *Boswellia ovalifoliolata*

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A protocol for micropropagation of *Boswellia ovalifoliolata* Bal & Henry (Burseraceae) was developed using cotyledonary nodal explant on Murashige and Skoog modified medium (MS). A comparative study of micropropagation with 6-benzyladenine, kinetin and thidiazuron along with 1-naphthalene acetic acid (0.054 μM) was conducted. The highest shoot multiplication (7.1 ± 0.2 shoots per node) was achieved in 50 d on MS supplemented with thidiazuron (2.72 μM). Excised shoot cuttings of 3.0 cm were placed on the MS basal medium supplemented with indole-3-acetic acid and indole-3-butyric acid alone and in combinations for rooting. Activated charcoal (100 mg l^{-1}) and polyvinylpyrrolidone (40 mg l^{-1}) were added to the medium to prevent browning of cultures. The regenerated plantlets have been successfully acclimatized and transferred to soil.

Key words: Boswellia, Cotyledonary, Regeneration