

Micropropagation of cherry rootstock F12/1 by shoot tip culture

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This study was made to propagate cherry rootstock (*Prunus avium* cv. F12/1) through micro propagation . The explants used in the study were taken from shoot tips and then were surface sterilized by mercuric chloride solution . In propagation stage, LS medium containing MS salt and LS vitamins along with NAA and BA were used.

The most proliferation occurred when NAA and IBA were used at levels 0.25 mg/l NAA and 1mg/l BA respectively. The plantlets were then transferred to a modified rooting medium (LS modified) containig phloroglucinol (PG) and IBA. The highest amount of rooting was obtained when plantlets were exposed to LS medium with 1 mg/l IBA. To promote the growth of roots, The plantlets were transferred to MS medium, wihtout hormones . After one month, when the plantlets were fully grown, they were transferred to the pots.