

IN-VITRO PROPAGATION OF PLEOMELLE REFLEXA
(DRACAENA SONG OF JAMAICA)

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Pleomelle reflexa (Dracaena Song of Jamaica) is a high valued ornamental plant for which the method of tissue culture propagation is yet unknown.

Shoot tips of actively growing terminals and laterals were induced to grow on a solidified basic medium of MS with modified vitamins supplemented with 219 mg/l $\text{NaH}_2\text{PO}_4 \cdot 2 \text{H}_2\text{O}$, 120 mg/l Adenine Sulphate and 1 mg/l each of cytokinin BAP or Kinetin and auxin NAA or IAA.

The optima with respect to BAP, NAA combination for shoot multiplication was determined to be 1 mg/l BAP and 0.9 mg/l NAA. Agitated liquid cultures were superior to stationary cultures of same composition for better growth and multiplication of shoot.

Shoot elongation was achieved in the basic medium with BAP alone at a concentration of 0.1 mg/l, and rooting was established in the basic medium supplemented with 0.5 mg/l NAA.

Tissue cultured plants were successfully established in the Green House in a coir dust medium after hardening in a plant propagator for two weeks.