

**STUDY ON SHOOT INDUCTION AND PLANT  
REGENERATION OF SOMATIC EMBRYOS IN CULTURE OF *IN  
VITRO* LAI CHAU GINSENG (*Panax vietnamensis* var. *fuscidiscus*)**

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**Summary**

Lai Chau ginseng is a medicinally important plant which is severely depleting in nature due to overexploitation. This research was carried out with the aim of inducing shoot from somatic embryos and plant regeneration in culture of *in vitro* Lai Chau ginseng. The results showed that the suitable medium for shoots regeneration from somatic embryos was SH medium supplemented with 1 mg/l GA<sub>3</sub>, forming shoots at frequency of 50%. The suitable medium for root induction was 1/2 MS supplemented with 0.5 mg/l IBA and 2 g/l activated charcoal giving root frequency of 80%. This is a preliminary result in completion *in vitro* propagation protocol in order to service of propagation and conservation of Lai Chau ginseng.

**Keywords:** *Lai Chau ginseng, in vitro culture, shoot regeneration, somatic embryo.*