

Optimal Cultured Medium for Callus Induction from Anthers of Vegetable Soybean

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Abstract

Vegetable soybean cultivars Kaohsiung No.2 and No.3 were used to investigate the optimal medium for callus induction from anthers. The results showed that flower buds with length over 2 mm had anthers with matured pollens or at binucleate microspore stage. Uninucleate microspore stage was always observed in anthers of the flower buds with 2 mm length. The B5 basic medium was found to be the optimal cultured medium in which sucrose (12 %), α -naphthaleneacetic acid (1 mg/l) and benzyladenine (8 mg/l) were supplemented.

Key Words:Vegetable Soybean, Anther Culture, Callus Formation.