Sennosides A and B Production by Hairy Roots of Senna alata (L.) Roxb.

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Hairy roots of *Senna alata* transformed with *Agrobacterium rhizogenes*, strain ATCC 15834 were induced and grown in half-strength Murashige and Skoog (MS) medium. Effects of sucrose contents and hormones on the growth and sennosides A, B production were investigated. Hairy roots cultured on hormone-free half-strength MS medium containing 5% sucrose under dark condition mostly stimulated the growth of hairy roots and increased the content of sennosides A and B yielding (169 ± 4) and (34 ± 3) μ g g⁻¹ dry wt, respectively. *Key words:* Sennosides A and B, Hairy Roots