

(57) **Abrégé(suite)/Abstract(continued):**

compositions include cultivation media comprising high concentrations of sucrose and glucose. The cultivation media find use in methods directed to Agrobacterium-mediated transformation of a dicot plant with a gene of interest. In this manner, any gene of interest can be introduced into a dicot plant with high transformation efficiency and reduced tissue necrosis.

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33. The method of embodiment 32, wherein said wounded tissue is chopped.
- 5 34. The method of embodiment 30, wherein said co-cultivating further comprises a lysozyme wash.
35. The method of embodiment 30, wherein said medium further comprises an antioxidant.
- 10 36. The method of embodiment 30, wherein said porous solid support is a filter paper or a glass fiber filter.
37. The method of embodiment 30, wherein co-cultivating further comprises culturing the tissue with said *Agrobacterium* for about 2 days to about 5 days.
- 15 38. The method of embodiment 30, wherein the contacting step takes place in a liquid suspension.
39. The method of embodiment 30, wherein the co-cultivation step takes place on a solid medium.
- 20 40. The method of embodiment 30, further comprising a resting step after the co-cultivation step.
- 25 41. The method of embodiment 40, wherein said resting step comprises culturing the tissue in a medium comprising an agent capable of inhibiting the growth of *Agrobacterium*.
- 30 42. The method of embodiment 41, wherein said agent is selected from the group consisting of cefotaxime, timetin, vancomycin, and carbenicillin.
43. The method of embodiment 30, wherein said regenerated transformed soybean plant is a fertile transformed soybean plant.
- 35 44. The method of embodiment 30, wherein at least about 70% of tissue following the co-cultivation step is non-necrotic.

