

Title (en)
METHOD OF PERFORMING TRANSGENESIS

Title (de)
VERFAHREN ZUR DURCHFÜHRUNG VON TRANSGENESE

Title (fr)
PROCEDE DE MISE EN OEUVRE DE TRANSGENESE

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Application
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Abstract (en)
[origin: WO0008924A1] The invention provides a method for generating transgenic animals and cells by the coinjection of nucleic acid and a nucleus into an unfertilized oocyte. Preferably, the coinjection is by microinjection and more preferably by piezo-electrically actuated microinjection. Transgene (tg) expressing embryos are here produced following coinjection of unfertilized mouse oocytes with sperm heads and exogenous DNA encoding either a green fluorescent protein (GFP) or beta -galactosidase reporter. The microinjected oocyte may be allowed to develop into differentiated cells or stem cells; into an embryo in vitro prior to transfer into a host surrogate mother; or it may be transferred directly into a host surrogate mother. Embryonic development can occur to term, such that the offspring possess transgenic modifications that may alter their characteristics (phenotype) and are, in turn, transmitted to their offspring.

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IPC 8 full level
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Citation (search report)
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• See references of WO 0008924A1

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