TRANSFECTION OF NIH3T3 CELLS WITH METAFECTENE

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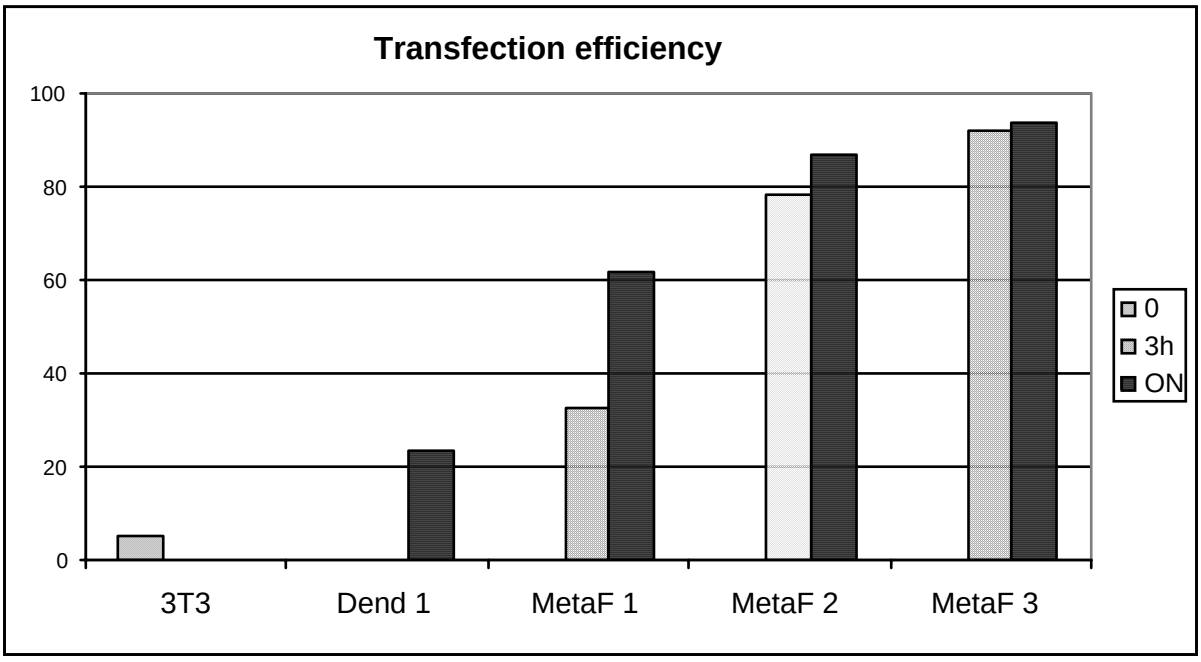
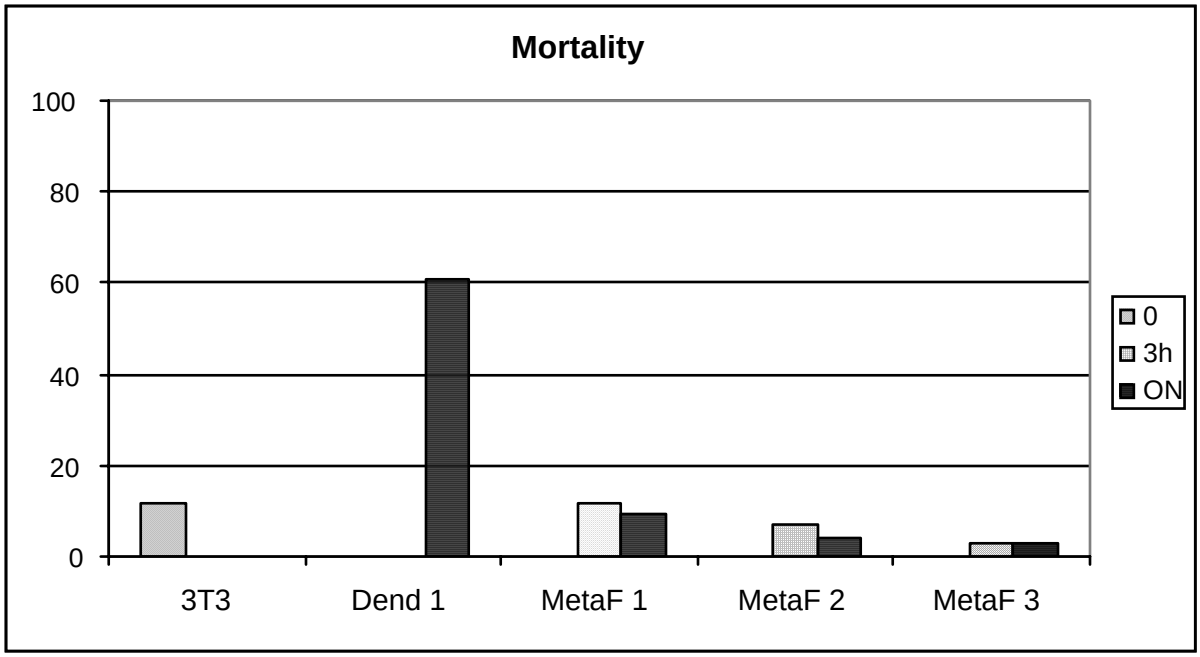
PROTOCOL :

NIH3T3 cells were splitted in a 24 wells plate, in the amount of 20 000 cell per well, 24 hours before the transfection. One microgram of DNA was mixed with 1, 2 and 3 microliters of the Metafectene reagent in medium without neither antibiotics nor sera. 350 microliters of DMEM medium (5% FBS) where added after 15 minutes to hallow the complex formation. The mixture was put on the cells, and left 3 hours (3h) or overnight (ON).
The plasmid used was the pcDNA3, modified by adding the GFP gene under the control of the CMV promoter. The GFP expression was analysed with the FACS machine 24 hours after the transfection. Propidium Iodide was added to the cell to check the viability. One polycationic dendrimere was used as transfection control in the best conditions already found for the NIH3T3 cells.

RESULTS :




Mortality
100
80
60
40
20
0
3T3
Dend 1
MetaF 1
MetaF 2
MetaF 3
0
3h
ON