

CONCENTRATIONS FOR INJECTING DNA

Simple Arrays – inject DNA at 1-100ng/ μ l following a 10 spin at max speed. For DNA mixtures, the total concentration should be 100-200 ng/ μ l.

Complex Arrays – We have been using injection mixes with 50-100 ug/ml of PvuII cut N2 genomic DNA, with blunt-cut digested marker (*rol-6*) and test (e.g. reporter) plasmids at 0.5-2.0 ug/ml each. For some constructs, a somewhat increased test plasmid concentration can be used without significant silencing effects. Spin for 10 min prior to injection.

Reference:

Fire Lab 1997 Vector Supplement- February 1997