

Transgenesis in zebrafish mediated by I-SceI meganuclease

Store I-SceI at -80°C in small aliquots!

Injection solution (15 μl)

DNA	10-50 ng/ μl
Meganuclease buffer (NEB)	1.5 μl
I-SceI meganuclease	0.2 units/ μl
H ₂ O	

Inject DNA into the cytoplasm (not yolk!) of a one-cell stage embryo. Injection volume shouldn't exceed 10% of the cell volume.

To identify stable transgenic fish, raise GFP expressing F0 fish to sexual maturity and mate to wild type fish.