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Jurkat Transfection by Electroporation

1. Wash 10^7 Jurkat cells in cold serum-free RPMI.
2. Resuspend in 180 μl serum-free RPMI, store on ice in 0.4 cm electroporation cuvette.
3. Sterilize DNA: Precipitate 5 pmol (around 10 μg) plasmid DNA in 100 μl TE + 10 μl 3M NaAc by adding 500 μl EtOH and spinning 10' @ 13000 rpm, 4C.
4. Take off sup carefully under the hood and dry pellet briefly. Resuspend in 20 μl serum-free RPMI by incubation @ 65C.
5. Add DNA solution to cells in cuvette and mix.
6. Electroporate @ 250 V, 960 μF.
7. Culture cells in 5-10 ml RPMI/10% FCS until analysis 16-48 h later.