



Transfection Reagent: Roti[®]-Fect (P001)

Cells / Cell line: Jurkat (T-lymphoblastic leukaemia cell line)

Protocols and Results

A)

Cell density	6well culture plates, 1×10^6 cells / well (24 h)
Medium	RPMI-1640 plus 10 % FCS, antibiotics
DNA / RNA	GFP-reporter plasmid
Transfection complex	1 / 4 / 8 / 14 μ l Roti [®] -Fect in 50 ml RPMI (ser-free) 2 μ g DNA in 50 ml RPMI (ser-free) incubate 15 mins. at RT
Transfection	in 1 ml RPMI (w/o serum / antibiotics?) for 24 hrs.
Incubation	24 hrs.
Detection	flowcytometry
Result	Best transfection rate was obtained when using 2 μ g DNA and 14 μ l Roti [®] -Fect (ratio 1:7) (>65 %). Nearly as good was the approach with 2 μ g DNA and 8 μ l Roti [®] -Fect (1:4) (63.24 %). Cell viability was very high.

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