



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

Cells / Cell line: CHO (Baby hamster kidney)

Protocols and Results

A)

Cell density	12wells, 8×10^4 cells / ml, 50 % confluency after one night
Medium	x
DNA / RNA	Plasmid with LacZ
Transfection complex	1.5 µg Plasmid-DNA in 30 µl medium (ser ⁻ /antibiotics ⁻) + 2.5 / 5 / 7.5 / 10 µl Roti [®] -Fect in 30 µl medium (ser ⁻ /antibiotics ⁻) Formation of transfection complex for 15 mins. (RT)
Transfection	in 400 µl full medium for 5 hrs. (37 °C, 5 % CO ₂)
Incubation	in 1 ml full medium (37 °C, 5 % CO ₂)
Detection	X-gal staining of fixed cells
Result	Very low toxicity (lower than found for other transfection reagents). Very good transfection rates with Roti [®] -Fect of 60 % in minimum in all approaches tried. Best rate obtained with 7.5 µl Roti [®] -Fect (approx. 95 %). 10 µl transfectant was slightly toxic.

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Carl Roth GmbH + Co. KG
i.V. Dr. Stefanie Seipp