



## Transfection Reagent: Roti<sup>®</sup>-Fect (P001)

Cells / Cell line: A431 (Epidermal Carcinoma)

### Protocols and Results

#### A)

Cell density	12wells, $8 \times 10^4$ 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 <sup>-</sup> /antibiotics <sup>-</sup> ) + 2.5 / 5 / 7.5 / 10 µl Roti <sup>®</sup> -Fect in 30 µl medium (ser <sup>-</sup> /antibiotics <sup>-</sup> ) Formation of transfection complex for 15 mins. (RT)
Transfection	in 400 µl full medium for 5 hrs. (37 °C, 5 % CO <sub>2</sub> )
Incubation	in 1 ml full medium (37 °C, 5 % CO <sub>2</sub> )
Detection	X-gal staining of fixed cells
Result	Very low toxicity (lower than found for other transfection reagents). Low transfection rates with all reagents used (below 20 %). Best rate obtained with 10 µl Roti <sup>®</sup> -Fect (17 %). Use of Roti <sup>®</sup> -Fect plus (Art. No. CL21) recommended.

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