

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

Cells / Cell line: LLC-PK1

Protocols and Results



A) Establishment of stably transfected lines

Seeding	6wells, ? cells / well, 24 hrs prior to transfection, → ca. 60-70 % optical confluency
Medium	DMEM incl. 10 % FCS w/o antibiotics over night
DNA / RNA	EGFP-tagged plasmid DNA
Transfection complex	Roti [®] -Fect: 4 µl in 100 µl DMEM ser-free DNA: 1 µg in 100 µl DMEM ser-free incubation for 20 mins (complex formation)
Transfection	add to 2 ml fresh medium (incl. serum) on cells
Incubation	for 24 h. Then wash in PBS and fix cells.
Detection	Fluorescence microscopy
Result	Good transfection efficiency. However, for establishment of stably expressing cells, subcloning was necessary. Higher transfection efficiency than found for other transfection reagents. No significant toxic effects found!

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