

## Transfection Reagent: Roti®-Fect (P001)

Cells / Cell line: NIH3T3

### Protocols and Results



#### A)

Seeding	24wells, $2 \times 10^4$ cells / well, 24 hrs prior to transfection
Medium	DMEM incl. 5 % FBS
DNA / RNA	GFP-plasmid construct under CMV promotor
Transfection complex	1 $\mu$ g DNA + 1 / 2 / 3 $\mu$ l Roti®-Fect in serum-/antibiotics-free medium after 15 min: addition of 350 $\mu$ l DMEM (incl. 5 % FBS)
Transfection	3 hrs or over night
Incubation	in DMEM incl. 5 % FBS, 24 hrs
Detection	FACS
Result	best results with 3 $\mu$ l Roti®-Fect - over 90 % tr. efficiency for both, 3hrs. or ON transfection

#### B)

Seeding	24wells, approx. 24 hrs prior to transfection. transfection at 80 % confluency
Medium	DMEM incl. 10 % FCS
DNA / RNA	plasmid
Transfection complex	0.5 $\mu$ g DNA + 2.5 $\mu$ l Roti®-Fect in 50 $\mu$ l serum-/antibiotics-free medium
Transfection	3 hrs.
Incubation	in DMEM incl. 10 % FCS, 24 hrs
Detection	after fixation
Result	35 % tr. efficiency in first approach without any optimization

12.07.2016  
Carl Roth GmbH + Co. KG  
i.V. Dr. Stefanie Seipp