

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

Cells / Cell line: HT22 (mouse hippocampal)

### Protocols and Results



#### A)

Cell density	24wells, may be necessary to coat with gelatine. $3 \times 10^4$ cells / well in 800 $\mu$ l DMEM, incubation ca. 1 day. Do not overgrow! Cells have to be exponentially growing!
Medium	DMEM + FCS (10 %) + Antibiotics
DNA / RNA	Plasmid, recombinant, GFP
Transfection complex	Roti <sup>®</sup> -Fect: 3.0 $\mu$ l / 3.0 $\mu$ l / 4.0 $\mu$ l in 50 $\mu$ l DMEM w/o ser./antibiotics DNA: 0.8 $\mu$ g / 1.0 $\mu$ g / 1.3 $\mu$ g in 30 $\mu$ l DMEM w/o ser./antibiotics mix by pipetting incubate for 20 mins at RT
Transfection	add to cells plus medium
Incubation	4 hrs, then change medium. Whole: 40 hrs.
Detection	Fluorometric read out
Result	Optimal DNA / Roti <sup>®</sup> -Fect ratio is 1.3 $\mu$ g : 4.0 $\mu$ l (60-70 %). Low cell toxicity.

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