

## Transfection of MCF-7 cells with Metafectene

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### Protocol and Results:

Vessel size: 12-well plate, T25-plate

Plasmid construct: pECFP (CMV-promoter/ ECFP-protein), GFP- and YFP-tagged

Confluency of cells: ca. 60 % at beginning of transfection

	Amount [µl]	DNA [µg]	Serum [%]	Result [% transfected cells]
<b>METAFECTENE:</b>				
12 well:	5	1	0-2	10
T25:	30	6	0-2	8
<b>Lipid L:</b>				
12 well:	5	2	0	10

Remarks:

METAFECTENE works just as fine as Lipid L for transfection of MCF-7, which are generally pretty hard to transfect. Remarkable is that Lipid L needs double amount of DNA and does not allow use of serum during transfection procedure. The obtained results for METAFECTENE certainly should be further optimizable because we used for these first experiments not all possible ranges of parameters.