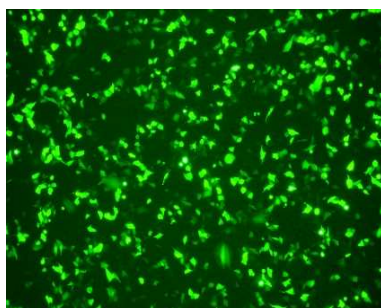


GeneCellin™ Transfection Reagent Results

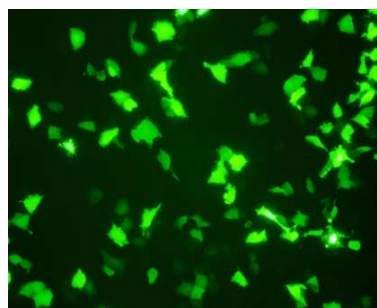
A – Successfully transfected cells

Cells (50×10^3 /well) were transfected in a 24-well plate with $0.5 \mu\text{g}$ of EGFP encoding plasmid DNA and $2 \mu\text{L}$ of GeneCellin™ Transfection Reagent. EGFP expression in transfected cells was monitored by fluorescence microscopy 24 h (a) and 48 h (b, c) post-transfection.

A549

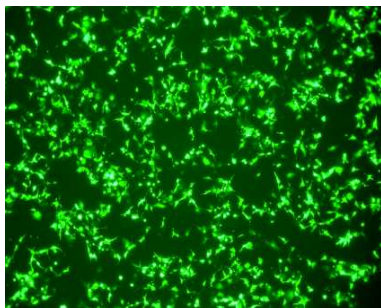


(a)

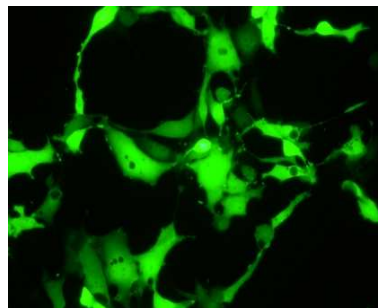


(b)

Cos-7

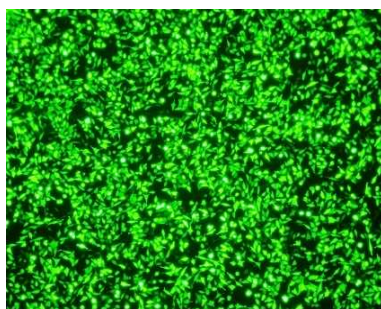


(a)

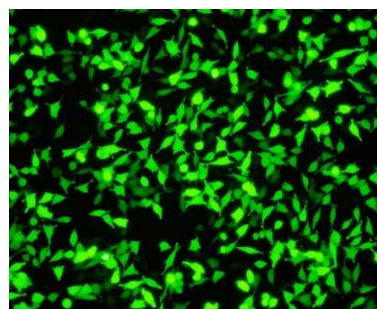


(b)

HeLa cells

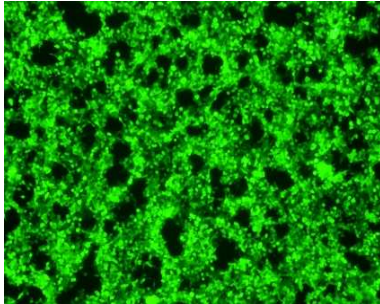


(a)

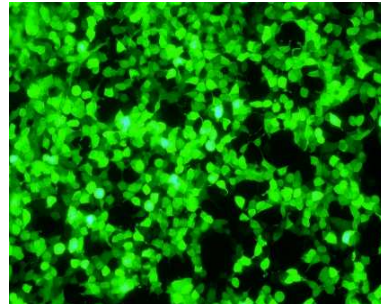


(b)

HEK293

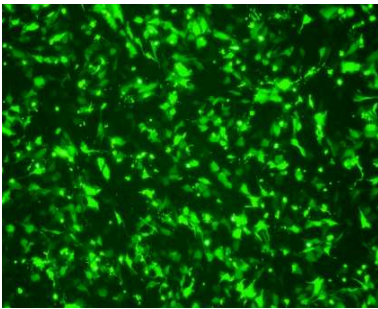


(a)

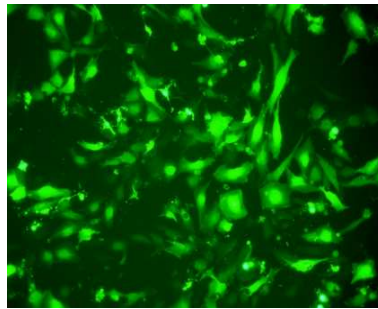


(b)

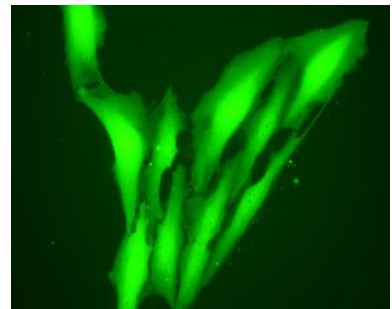
Epithelial cells



(a)

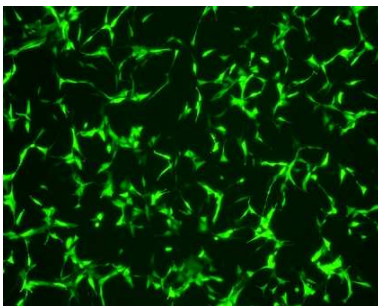


(b)

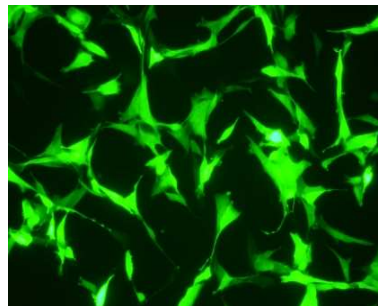


(c)

Glial cells

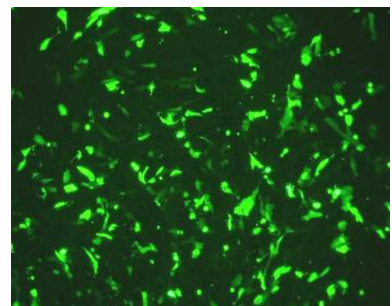


(a)



(b)

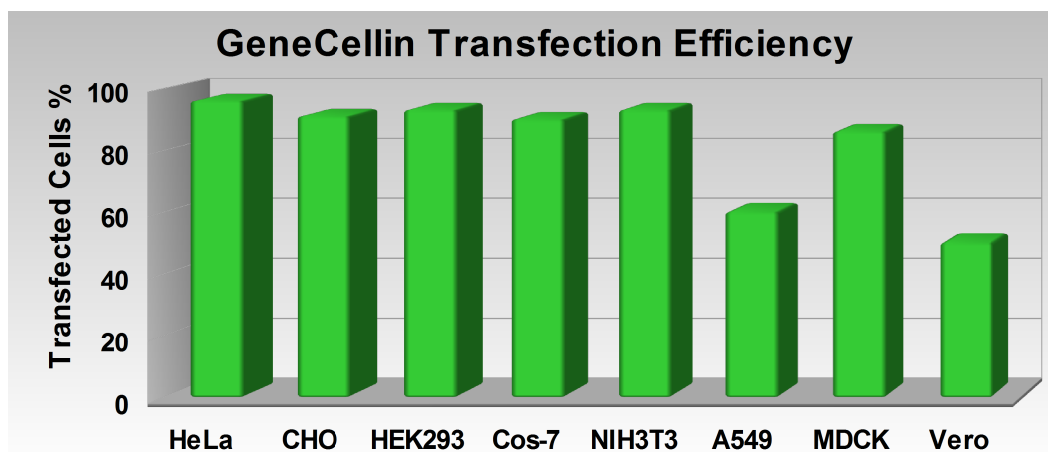
Vero cells



(a)

B – High transfection efficiency

High transfection efficiencies are reached in many kind of cell lines with GeneCellin™ Transfection Reagent.



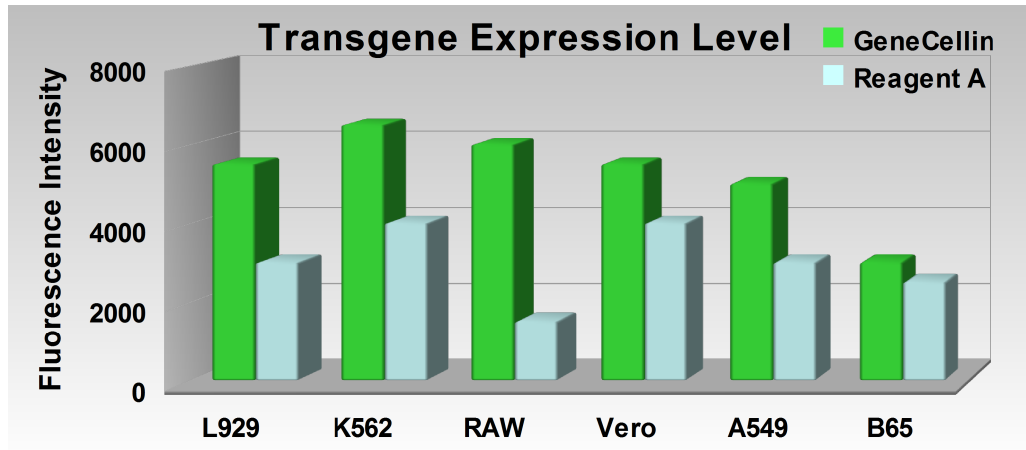
Cells (50×10^3 /well) were transfected in a 24-well plate with 0.5 μ g of a EGFP encoding plasmid DNA and 2 μ L of GeneCellin™ Transfection Reagent. Transfection efficiencies were analyzed 24h post-transfection by cytofluorimetry.

Various cell lines successfully tested with GeneCellin™ are listed in the table below.

Cells	Efficiency (%)	Cells	Efficiency (%)
A549	60	HeLa	95
B50	60	HepG2	55
B65	35	K562	50
BHK-21	65	L929	60
Calu-1	70	MCF7	30
CHO	90	MDCK	85
COLO	20	NIH3T3	95
Cos-7	90	RAW-264	60
HEK293	95	Vero	50

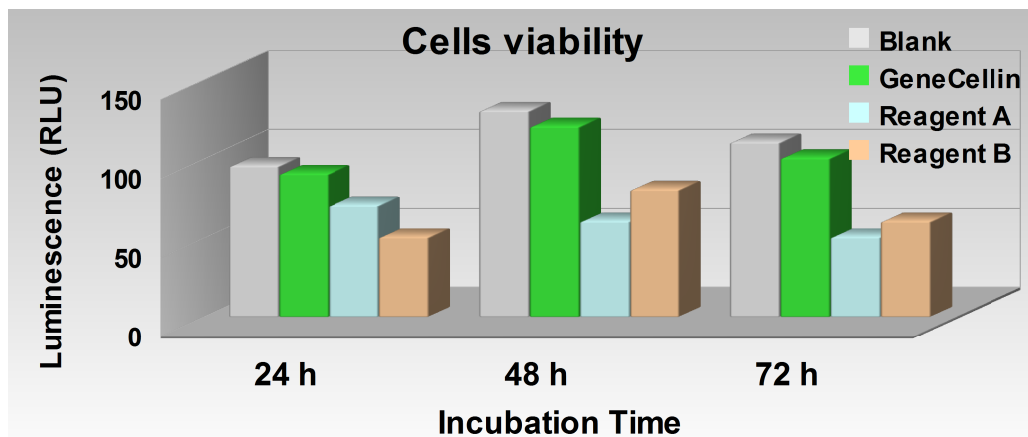
GeneCellin™ was also successfully tested on many primary cells as mouse, rat and human fibroblasts and bone marrow macrophages. Transfection efficiencies highly depends on primary cell culture preparation and quality.

C – High transgene expression level



Cells (10×10^3 /well) were transfected in a 96-well plate by using $0.15 \mu\text{g}$ of EGFP encoding plasmid DNA and $0.5 \mu\text{L}$ of GeneCellin™ Transfection Reagent or with other transfection reagents according to manufacturer's instructions. Transgene expression levels were measured 24h post-transfection by using a spectrofluorimeter.

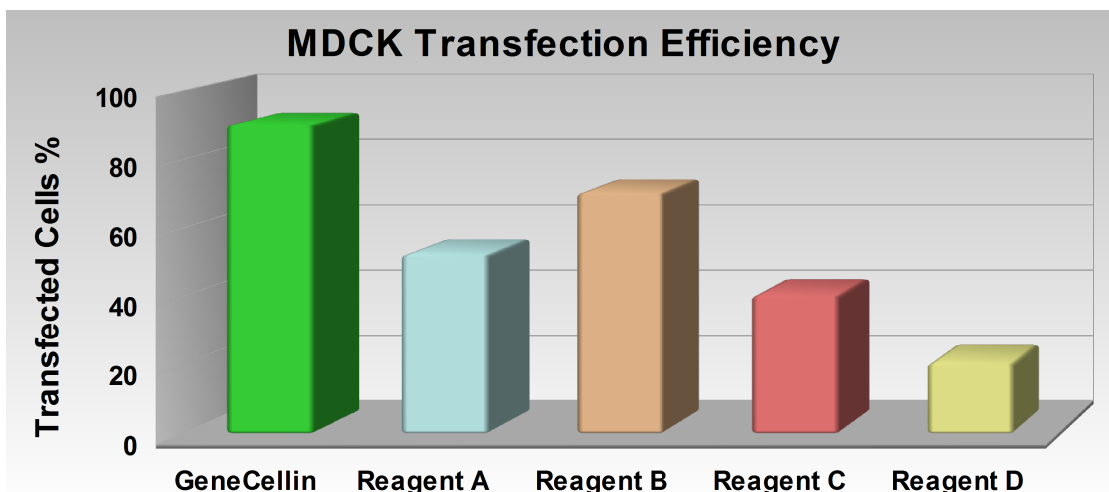
D – No toxicity



HeLa cells, 72h post-transfection

HeLa cells (10×10^3 /well) were transfected in a 96-well plate with $0.2 \mu\text{g}$ of EGFP encoding plasmid DNA and $0.5 \mu\text{L}$ of GeneCellin™ Transfection Reagent or with other transfection reagents according to manufacturer's instructions. Cells viability was determined by bioluminescent detection of cellular ATP after 24, 48 and 72 hours post-transfection.

E - GeneCellin™ Transfection Reagent versus competitors



MDCK cells (50×10^3 /well) were transfected in a 24-well plate with $0.5 \mu\text{g}$ of EGFP encoding plasmid DNA and $2 \mu\text{L}$ of GeneCellin™ Transfection Reagent or with other transfection reagents according to manufacturer's instructions. Transfection efficiencies were analyzed 24 h post-transfection by cytofluorimetry.

Do not hesitate to send us your data about GeneCellin™ Transfection Reagent at contact@biocellchallenge.com.