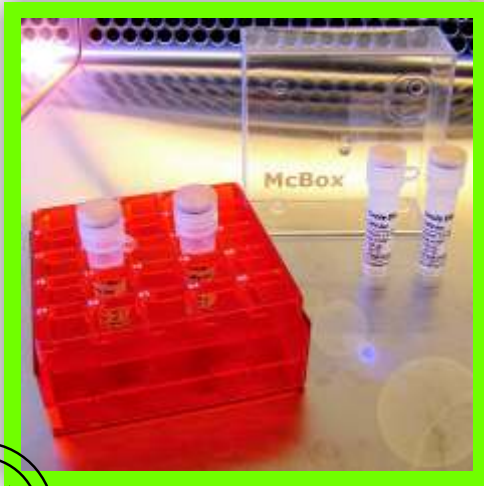


McBox[®]_{GFP}

Research beyond the state-of-the-art



The Dawn of a new Era
in Gene Therapy
& Vaccination!

Minicircle - minimized DNA
to achieve unsurpassed
GFP expression

Minicircle DNA by PlasmidFactory

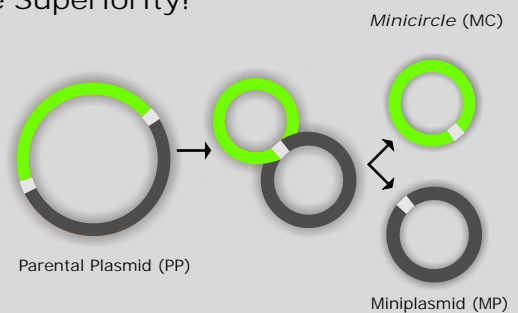
- Minimal size
 - Highest purification level
 - No bacterial backbone sequences (*ori*, AB[®])
 - Reduced CpG content
 - No antibiotic resistance according to EMEA guideline (CPMP/BWP/3088/99)
- ➔ Improved safety
 - ➔ Minimized side effects
 - ➔ Excellent transfection efficacy
 - ➔ Optimized transfection profile
 - ➔ Trouble-free transfer of your research into clinical application

➔ Compare the first *minicircle* DNA encoding the green fluorescent protein (GFP) with the corresponding plasmid in your experimental setting!

➔ Optimize your transfection!

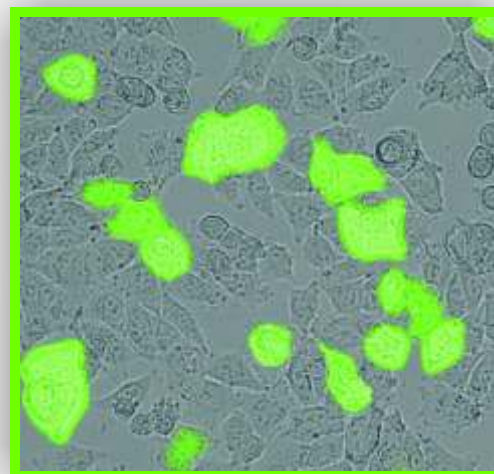
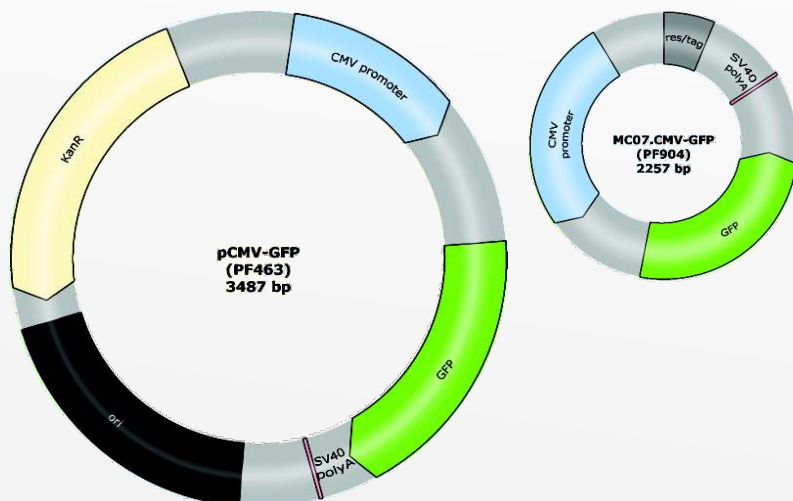
➔ Order the new McBox[®]_{GFP}!

The PlasmidFactory *Minicircle* System - unique Superiority!



PlasmidFactory's proprietary *minicircle* system is based on a parental plasmid carrying a selection marker, the origin of replication (*ori*), two recombination sites and the gene-of-interest. The recombination of a PP results in two circular supercoiled molecules: A miniplasmid containing the selection marker, the *ori* and all the unwanted, unessential bacterial sequences and the *minicircle* with hardly more than the gene of interest and all necessary elements for regulation in the target cells.

PlasmidFactory.com



Green Fluorescence Protein (GFP) expression from *minicircle* MC07.CMV-GFP 24 hours after transfection of human melanoma (A375) cells using Metafectene. For transfection 1 microgram *minicircle* DNA was used and GFP expression was evaluated in a fluorescence microscope (Zeiss). The figure depicts the merged GFP fluorescence and light microscope images. Magnification: 200-fold.
(D. Kobelt, W. Walther, Charité and MDC Berlin)

The McBox⁰_{GFP} contains:

	concentration [mg/mL]	size [bp]	chrDNA [%]	LPS endotoxin [E.U./mg]	ccc supercoil [%] by CGE
MC07.CMV-GFP (<i>minicircle</i> , PF904, 100 µg)	1.0	2257	£3.0	£5.0	± 90.0
pCMV-GFP (plasmid, PF463, 100 µg)	1.0	3487	£3.0	£5.0	± 90.0
WFI (water for injection, 500 µL)					

Order information:

McBox⁰-GFP, item no.: PFBox102

Contact us:

PlasmidFactory GmbH & Co. KG
Meisenstraße 96
33607 Bielefeld
GERMANY

Phone: +49 521 299 735-0

Fax: +49 521 299 735-5

info@PlasmidFactory.com

PlasmidFactory.com

