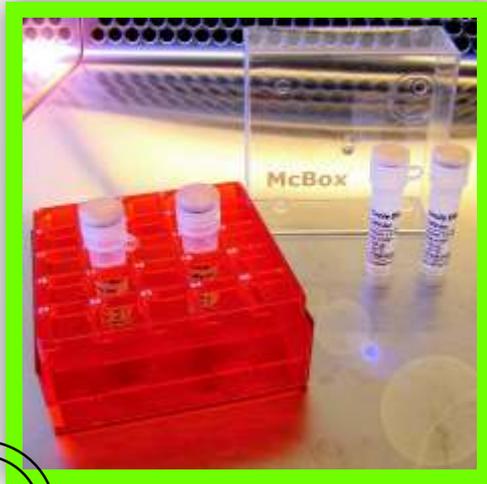


# McBox<sup>®</sup><sub>GFP</sub>

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

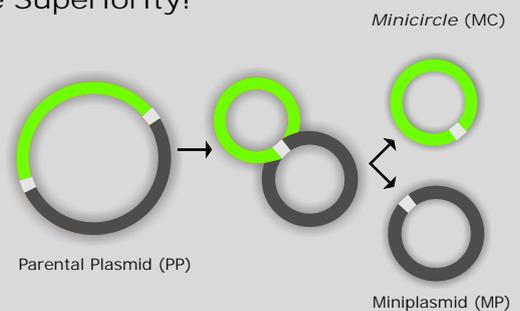
- Minimal size
  - Highest purification level
  - No bacterial backbone sequences (*ori*, AB<sup>®</sup>)
  - Reduced CpG content
  - No antibiotic resistance according to EMEA guideline (CPMP/BWP/3088/99)
- ➔ Improved safety
  - ➔ Minimized side effects
  - ➔ Excellent transfection efficacy
  - ➔ Optimized 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!

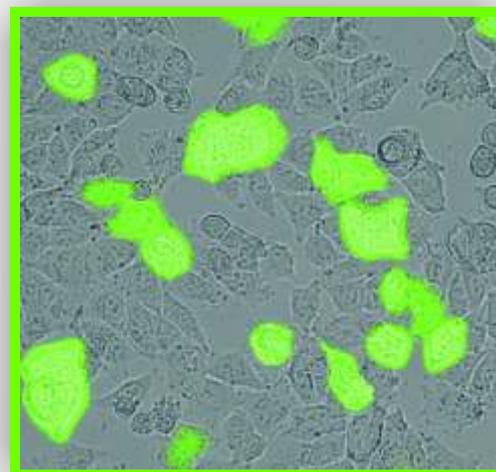
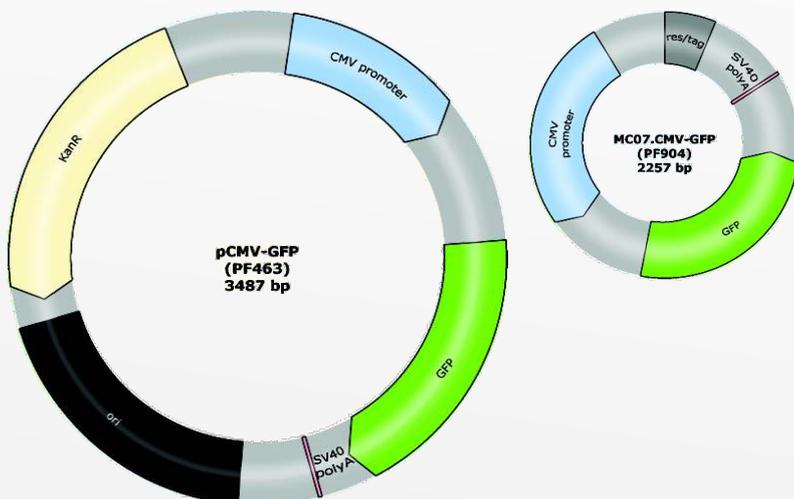
➔ Order the new **McBox<sup>®</sup><sub>GFP</sub>**!

#### 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 McBox<sup>0</sup><sub>GFP</sub> 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:

McBox<sup>0</sup>-GFP, item no.: PFBox102

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