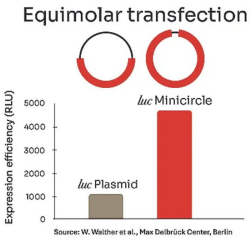
BioSpectrum ASIA EDITION
the business of Bio & Health Sciences

PlasmidFactory: Enabling Next-Generation DNA Manufacturing

March 4, 2026 | News

With more than 25 years of experience, PlasmidFactory is a trusted European CDMO specializing in plasmid and Minicircle DNA manufacturing for research, clinical development, and GMP production. With over 3,500 successfully completed projects and a 99.9% success rate, the company stands for reliability, flexibility, and scientific excellence Ã¢â?¬â?• with technologies already proven in clinical trials.



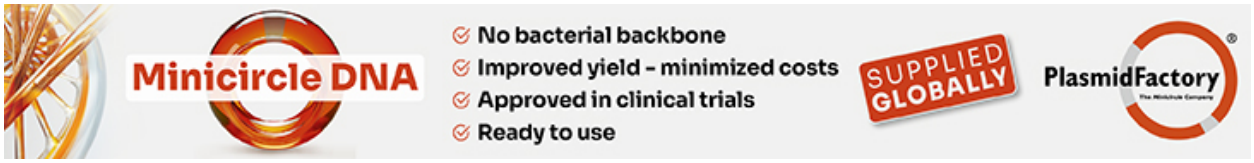
Offering scalable quality grades from Research to GMP, PlasmidFactory supports advanced gene-based innovations worldwide.

Minicircle DNA – The Core Technology for Next-Generation Therapies

PlasmidFactory's patented Minicircle DNA technology removes all bacterial backbone sequences, leaving only the therapeutic expression cassette in a small, supercoiled DNA molecule.

This minimalistic vector design enables:

-Reduced immunogenicity and lower DNA toxicity
-Higher transfection efficiency and improved cell viability
-Stronger, more stable gene expression
-Backbone-free design available up to GMP Grade for safer, regulatory-aligned manufacturing



Minicircle DNA provides clear advantages across advanced applications. It enhances virus-free cell engineering such as CAR-T, CAR-NK, and HSPCs by improving transfection, expression, and viability while enabling efficient non-viral gene transfer — with clinical programs already underway. In viral vector production, its backbone-free structure prevents retro-packaging of bacterial sequences, ensuring vector purity, functional yield, and safety. As a template for IVT and vaccination platforms, Minicircles support cleaner and more reproducible mRNA manufacturing workflows.

Whether you are developing CAR-T, CAR-NK, viral vector strategies, RNA therapeutics, or novel in vivo gene delivery approaches — PlasmidFactory delivers the clean, reliable DNA foundation your program depends on.

PlasmidFactory – The Better Way to DNA.
www.plasmidfactory.com

Accelerate your manufacturing with Minicircle DNA.
https://www.plasmidfactory.com/custom-dna/minicircle-dna/

Webinar: *Why DNA Quality Matters*
March 26, 2026 | 17:00 CET / 16:00 GMT / 11:00 EST / 08:00 PST
https://www.plasmidfactory.com/events/why-dna-quality-matters-from-research-to-gmp/