

SuperSpin Plasmid Purification Kits



Introduction

Biomoles patented SuperSpin Plasmid Purification Kits are able to rapidly isolate ultra pure plasmid DNA with utmost yields. The SuperSpin filter columns are made from special silica-based membranes and contain selectively binding materials that are able to bind nucleic acid only without protein contamination. A simple bind-wash-elute protocol requires less than 30 minutes. The purified DNA can be used directly for cell transfection, cloning, sequencing, PCR, and *in vitro* transcription without any further washing or processing. The kit is suitable for DNA ranges from 300bp to 100kb. SuperSpin Plasmid Purification Kits are available in mini, medi, and maxi sizes. The binding capacity of each SpinColumn is 40µg, 120 µg, and 550 µg respectively.

Specifications

- **Superior Purity:** 2.00 to 2.05 (260-280) for plasmid DNA
- **Highest yields:** 90-95% yield from E. coli
- **Rapid:** 1-24 samples in less than 30 minutes
- **Optimized downstream:** plasmid DNA can be used directly for cell transfection, cloning, PCR and other downstream processing.
- **Reliable:** stable solutions, 100% quality control

Performance Specifications

- DNA size range: 300bp-100kb
- Operating time: within 30 minutes
- Membrane binding capacity: 40µg/120µg/550µg
- Recovery Rate: 85-95%¹
- Minimum elution volume: 30ml
- Throughput: 1-24 minipreps in less than 30 min

Process Design Specifications

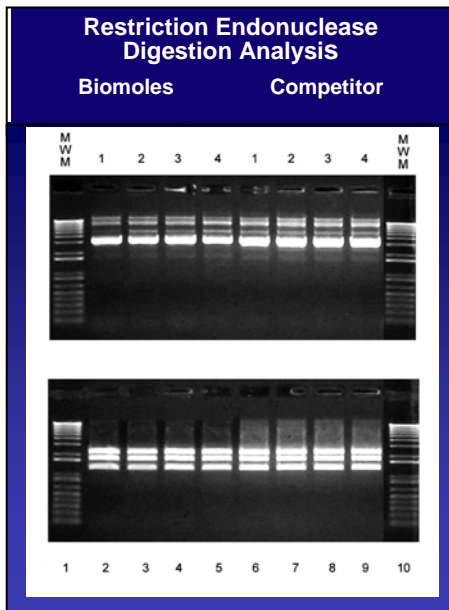
- Format: spin columns
- Lysate clearing: centrifugation²
- Storage: at room temperature for up to one year.
- Equipment Required: microcentrifuge, water bath

Kit Component Specifications

- Mini Spin Columns
- Receiver Tubes
- Resuspension Buffer
- Lysis Buffer
- Neutrolizing Buffer
- Washing Buffer
- Elution Buffer (DNase free DIH₂O)
- RNase A

¹ Dependent on elution volume

² Recommended at ≥ 13,000 rpm



Catalog Numbers for SuperSpin Plasmid Purification Kits

Product Description		Catalog No.
SuperSpin Mini 50rx	Plasmid Purification Kit	PP-SSMIN-50
SuperSpin Mini 100rx	Plasmid Purification Kit	PP-SSMIN-100
SuperSpin Mini 250rx	Plasmid Purification Kit	PP-SSMIN-250
SuperSpin Medi 20rx	Plasmid Purification Kit	PP-SSMED-20
SuperSpin Medi 50rx	Plasmid Purification Kit	PP-SSMED-50
SuperSpin Medi 100rx	Plasmid Purification Kit	PP-SSMED-100
SuperSpin Maxi 10rx	Plasmid Purification Kit	PP-SSMAX-10
SuperSpin Maxi 20rx	Plasmid Purification Kit	PP-SSMAX-20
SuperSpin Maxi 50rx	Plasmid Purification Kit	PP-SSMAX-50

How to Order:

Phone: +1.206.812.1524 Fax: +1.775.206.2058 Email: biomoles@biomoles.com