

# SuperSpin Genomic DNA Isolation Kits

## Introduction

Biomoles SuperSpin Genome DNA Isolation Kits are specifically designed to rapidly isolate super pure DNA from blood and tissue samples with utmost yields. The SuperSpin filter columns are uniquely designed with special membranes and contain selectively binding materials that are able to bind nucleic acids only without protein contamination as other commercial kits do. The OD (260/280) of DNA isolated is 1.90-2.10. A simple lysis-bind-wash-elute protocol requires less than 30 minutes. The purified DNA can be used directly in downstream applications without any further processing including PCR, *in vitro* microarray analysis. The kit is suitable for DNA ranges from 300bp to 30kb.

## Competitive Advantages

- **Superior Purity:** 1.90 to 2.05 (260-280) for blood and animal tissue DNA
- **Highest yields:** 90-95% yield from genome
- **Rapid:** 1-24 samples in less than 30 minutes
- **Optimized downstream:** superpure genomic DNA can be used directly for PCR, microarray analysis, *in vitro* diagnostic research and other downstream processing.
- **Reliable:** stable solutions, 100% quality control

## Performance Specifications

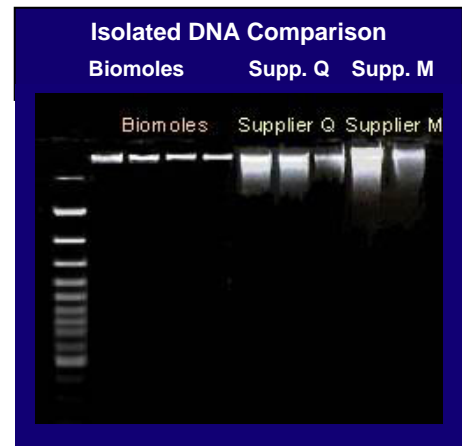
- DNA size range: 300bp-30kb
- Operating time: within 30 minutes
- Membrane binding capacity: 40µg/120µg
- Recovery Rate: 85-95%<sup>1</sup>
- Minimum elution volume: 50ul
- Throughput: 1-24 minipreps in less than 30 min

## Process Design Specifications

- Format: spin columns
- Lysate clearing: centrifugation<sup>2</sup>
- Storage: at room temperature for up to one year.
- Equipment Required: microcentrifuge, water bath

## Kit Component Specifications

- Mini or Medi Spin Columns
- Receiver Tubes
- Lysis Buffer
- Wash Solution I
- Washing Solution II
- Elution Buffer
- Proteinase K



<sup>1</sup> Dependent on elution volume

<sup>2</sup> Recommended at  $\geq 13,000$  rpm

## Catalog Numbers for SuperSpin Genome DNA Isolation Kits

Product Description	Catalog No.
SuperSpin Mini 5rx Blood DNA Isolation Kit	BL-SSMIN-5
SuperSpin Mini 50rx Blood DNA Isolation Kit	BL-SSMIN-50
SuperSpin Mini 100rx Blood DNA Isolation Kit	BL-SSMIN-100
SuperSpin Mini 250rx Blood DNA Isolation Kit	BL-SSMIN-250
SuperSpin Medi 10rx Blood DNA Isolation Kit	BL-SSMED-10
SuperSpin Medi 50rx Blood DNA Isolation Kit	BL-SSMED-50
SuperSpin Mini 5rx Tissue DNA Isolation Kit	TS-SSMIN-5
SuperSpin Mini 50rx Tissue DNA Isolation Kit	TS-SSMIN-50
SuperSpin Mini 250rx Tissue DNA Isolation Kit	TS-SSMIN-250
SuperSpin Medi 10rx Tissue DNA Isolation Kit	TS-SSMED-10
SuperSpin Medi 50rx Tissue DNA Isolation Kit	TS-SSMED-50
SuperSpin Mini 250rx Low Copy Tissue DNA Isolation Kit	LT-SSMIN-250

Researchers who use our SuperSpin Genomic DNA Isolation Kits also prefer to use our related products:

RedTrack Precast Agarose Gel	15-14-610-RT30
GreenTrack Precast Agarose Gel	15-14-610-GT30
Red/Orange DNA Loading Dye; Red, Green Tracks	RDNA-6M5

### How to Order:

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