

# Exgene™ Cell SV

## One Kit, Any Sample

- with tailored protocols for every type

Exgene™ Cell SV is a powerful, all-in-one solution for genomic DNA extraction from a wide variety of samples — including tissues, whole blood, body fluids, bacteria, and yeast.

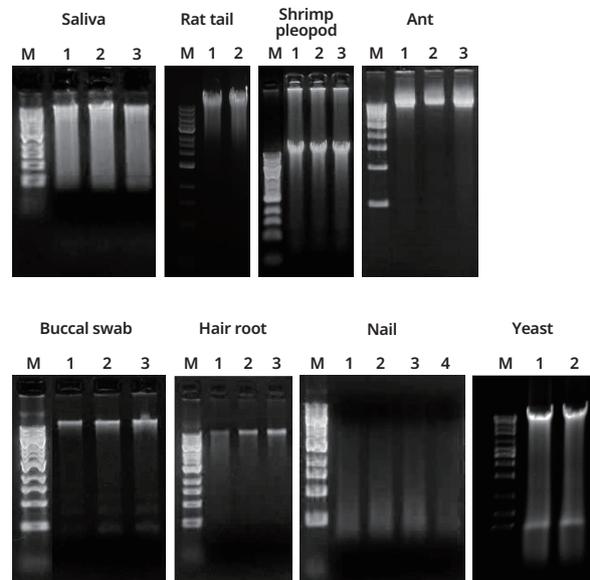
Tailored protocols for each sample type ensure streamlined workflows, enabling you to process more samples with greater ease.

Boost productivity, maintain consistent performance, and reduce costs by saving valuable time and resources.

- **Broad Applicability:** Efficient genomic DNA extraction from tissues, blood, body fluids, bacteria, and yeast
- **Optimized Protocols:** Tailored workflows for different sample types, minimizing the need for multiple kits
- **Consistent Performance:** Reliable yield and purity across diverse starting materials
- **Cost-effectiveness:** Save time, reduce waste, and maximize efficiency with one versatile kit

Sample Type	GeneAll	Company Q	Company L	Company M
Blood	○	○	○	○
Serum	○			○
Plasma	○			○
Nucleated Blood	○			
Dried Blood spot	○			
Buffy coat	○			
Body Fluid	○			
Saliva	○			○
Urine	○		○	
Cultured Cells	○	○		
Gram(-) bacteria	○	○	○	○
Gram(+) bacteria	○	○	○	○
Yeast	○		○	○
Tissue	○	○	○	○
Marine organism	○			
Rodent Tail	○	○	○	
FFPE Tissue	○	○	○	
Buccal Swab	○		○	
Insect	○			
Hair	○			
Sperm	○			
DNA virus	○			
Sputum	○			
BAL	○			
Pleural Fluid	○			
Processed Food and Cheese	○			

### Proven Performance Across Diverse Samples



Genomic DNA was extracted from a wide range of samples using Exgene™ Cell SV Mini kit, and electrophoresis confirmed consistent, reliable performance. Even for rare or demanding samples such as saliva or rat tail, the kit ensures excellent yields through its specialized, sample-specific protocols.

## Ordering information

Exgene™ Cell SV Mini  
Type: Spin

Cat. No.: 106-101  
Size: 100 prep

Cat. No: 106-152  
Size: 250 prep

Exgene™ Cell SV Maxi  
Type: Spin

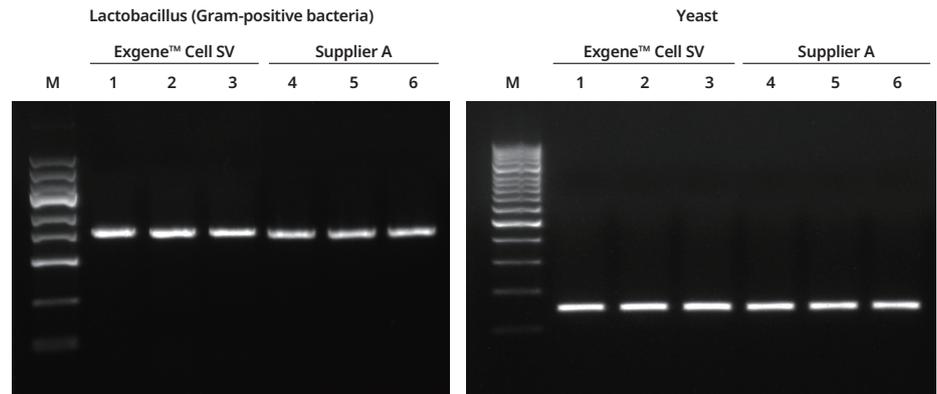
Cat. No.: 160-310  
Size: 10 prep

Cat. No: 106-326  
Size: 26 prep

**Related product**  
LYSOZYME, EGG WHITE

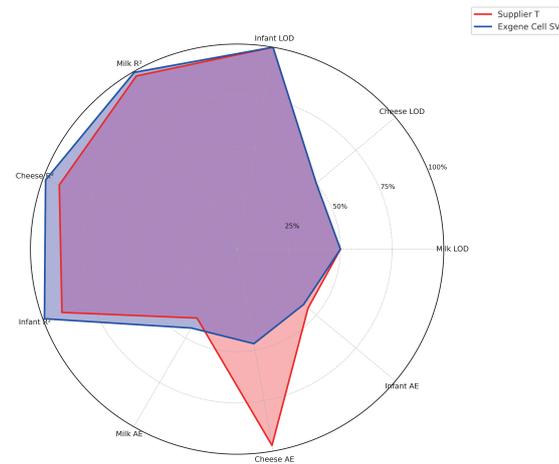
Cat. No.: SM-LYS-005  
Size: 5 g

## Reliable Genomic DNA Extraction from Challenging Microorganism



Genomic DNA was extracted from Lactobacillus (Gram-positive bacteria) and yeast using Exgene™ Cell SV Mini and compared with Supplier A's kit. PCR analysis with *uvrC* primers for Lactobacillus and *Scer* primers for yeast showed clear and consistent bands with Exgene™ Cell SV Mini, demonstrating higher yield and reliable performance.

## Exgene™ Cell SV vs Supplier T Integrated Performance (LOD +R2 +AE)



The radar chart highlights Exgene™ Cell SV Mini's superior performance in foodborne pathogen across key parameters. Compared with Supplier T, Exgene™ Cell SV Mini consistently demonstrates equal or better sensitivity (LOD), higher linearity (R<sup>2</sup>), and more stable amplification efficiency (AE), ensuring reliable and reproducible results in diverse food matrices.

Data adapted and re-visualized from: 'Comparison of DNA Extraction Methods for the Quantification of Listeria monocytogenes in Dairy Products by Real-Time Quantitative PCR.' Journal of Food Protection, 85(11), 2022.