iNtRON Biotechnology

LPS Extraction Kit:

Precision Purification in Under 60 Minutes

Experience high yield, ultra-purity, and seamless microscale extraction.

iNtRON Biotechnology | Cat. No. 17141 | 100 Preps

Rapid Speed

Complete the entire extraction process in up to **60 minutes.**

Ultra-Purity

Guaranteed minimal protein contamination of less than **0.2 µg.**

Microscale Optimized

Specifically designed for efficient extraction from small numbers of bacterial cells (**2–5 ml culture**).

Broad Applicability

Highly reproducible and effective across various **Gram-negative** bacterial strains.

3-STEP SIMPLE PROTOCOL

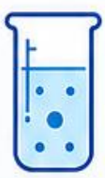
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Step 1. Lysis

Fast organic lysis breaks down the cell membrane to release components seamlessly.

2



Step 2. LPS Purification

High-salt solution selectively purifies LPS from the released cell mixture.

3

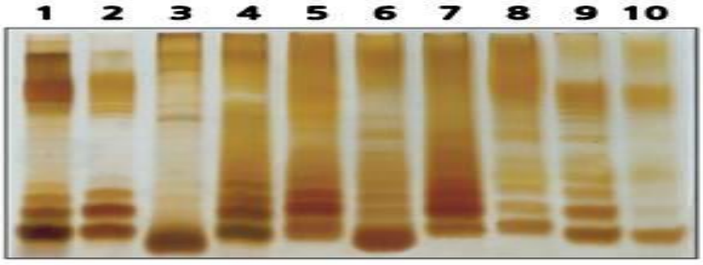


Step 3. Washing & Elution

Brief washing removes salts, followed by a **2-minute** boiling elution step for premium quality LPS.

VALIDATED PERFORMANCE

Bacterial Strain	LPS Yield	Protein Contamination
E. coli (Wild type)	220–490 µg Yield	< 0.2 µg Protein Contamination
S. typhimurium	200–400 µg Yield	< 0.2 µg Protein Contamination



Distinct ladder-like band patterns via silver staining confirm the multimeric integrity of the extracted LPS.

Need Even Higher Purity?

For downstream applications requiring zero protein background, treat the extracted LPS with Proteinase K (**2.5 µg PK** per **1 µg LPS**) at **50°C** for **30 minutes** to eliminate any remaining trace proteins.

ORDERING INFORMATION

Product Name	Cat. No.	Size
LPS Extraction Kit	17141	100 Preps (Includes Lysis Buffer 100ml / Purification Buffer 80ml)

For research use only.

For orders and expert technical support, contact:
tech@intronbio.com | www.intronbio.com