

# Nucleopore<sup>®</sup> gDNA Soil Kit

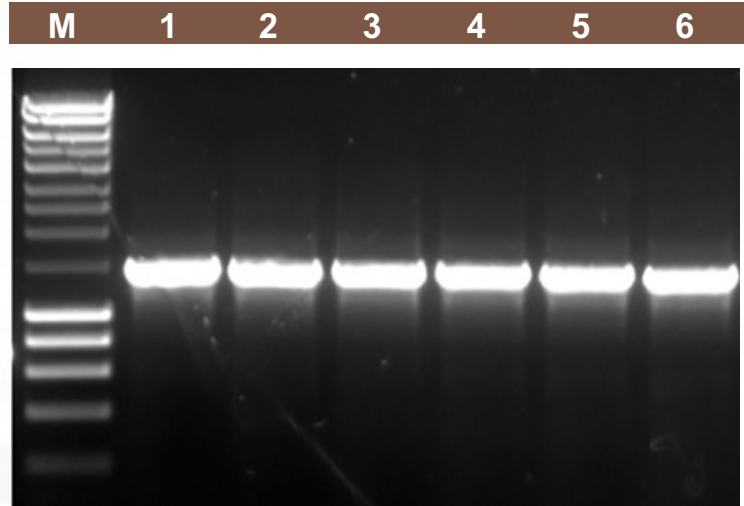
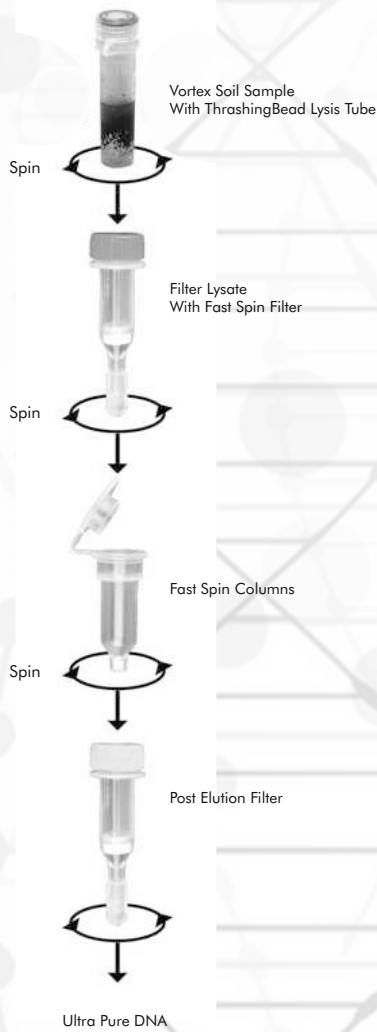
**NP-1006D**

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- Gram positive and Gram negative bacteria, archaea, fungi, and algae in soil, sludge, and sediment samples.
- Suitable for soils from forest, bog, farmland, grassland, etc.

Cat. No.	NP-1006D / NP-1007D
Selling unit	50 Prep(s), 250 Prep(s)
Application	Isolation of DNA
Target	DNA
CE certified	No, research use only
Technology	Silica membrane technology
Brand	Nucleo-Pore
Format	Mini prep
Handling	Centrifugation
Lysate clarification	Centrifugation, NucleoSpin Inhibitor Removal Column
Automated use	No
Sample material	Sediment, Sludge, Soil
Sample amount	< 500 mg
Fragment size	50 bp-approx. 60 kbp
Typical yield	5-15 µg (500 mg soil)
Theoretical binding capacity	60 µg
Elution volume	30-100 µL
Preparation time	90 min/10 preps
Typical downstream application	Microarrays, PCR, Real-time PCR, Southern blotting
Storage temperature	15-25 °C
Shelf life (from production)	27 Month(s)

### Genomic DNA Purification from Soil



Genomic DNA purified from Sediment, Sludge and soil using the **Nucleopore® DNA Soil Kit**. Isolated genomic DNA was checked on agarose gel (0.8%) electrophoresis.

**Lane M: Lambda DNA/HindIII Marker,**  
**Lane 1-2: Sediment**  
**Lane 3-4: Sludge**  
**Lane 5-6: Soil**

### Competitive Advantage:

Specifications	Nucleopore® DNA Soil Kit (50) NP-1006D / NP-1007D	Other Kits
Sample material	Sediment, Sludge, Soil	Sediment, Sludge, Soil
Sample amount	200-500 mg	250-500 mg
Format	Mini spin column	Mini spin column
Fragment size	<b>50 bp &amp; 60 kbp approx</b>	100 bp & 50 kbp approx
Typical yield	<b>5-15 µg (500 mg sample)</b>	2-10 µg (500 mg sample)
Binding capacity	<b>60 µg</b>	40 µg
Typical purity A260/A280	1.7-1.9	1.7-1.9
Elution volume	<b>30-100 µl</b>	20-100 µl
Preparation time	<b>90 min</b>	<120 min