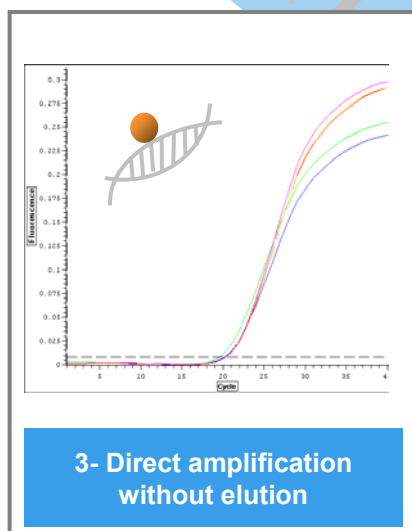
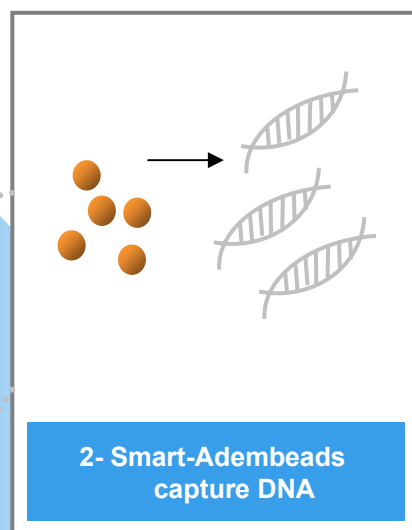
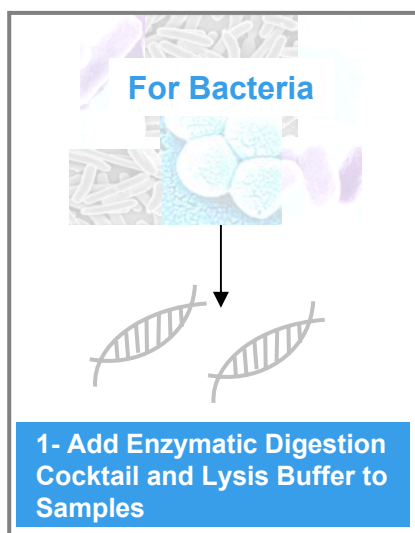


# Nucleic Acid Capture

NEW

## "Smart D-N-Adem-Kit for Bacteria

Go directly to PCR and Real-Time PCR"



✓ Highly effective lysis : Enzymatic Digestion Cocktail included

✓ Versatile : wide range of gram Negative or gram Positive bacteria : *Staphylococcus*, *Enterococcus*, *Shigella*, *Salmonella*, *Pseudomonas*, *Streptococcus*....

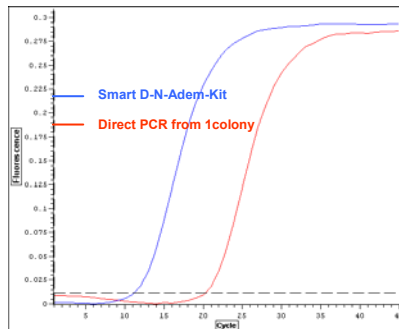
✓ Greater sensitivity

✓ Less variability

# "Smart D-N-Adem-Kit for Bacteria Go directly to PCR and Real-Time PCR"

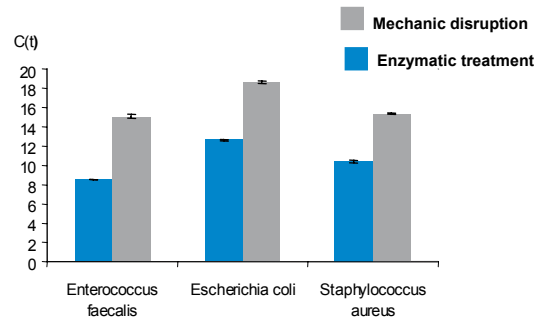
## Sensitive detection of bacterial genomic DNA

**Ideal for small amount of samples :** successful amplification from very small amounts (10 µl bacterial culture, 1 colony)



Superior DNA recovery using the Smart D-N-Adem-Kit vs direct PCR from a single bacterial colony. Real-Time PCR targeting the thermonuclease (*nuc*) gene was performed on DNA isolated from *Staphylococcus aureus*.

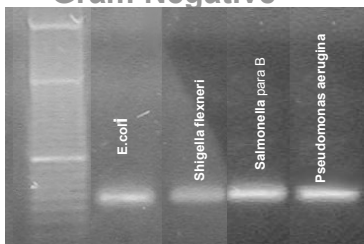
## Direct amplification from hard-to-lyse bacteria using Smart Enzymatic Digestion Cocktail



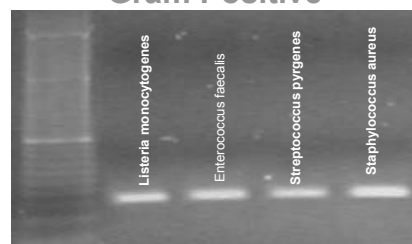
Comparison of different lysis protocols. Real-Time PCR targeting the 16S rRNA gene was performed on DNA isolated from 1 colony of bacteria.

## Versatile: effective DNA capture from a wide variety of bacteria (Gram-Negative and Gram-Positive)

### Gram Negative



### Gram Positive



Genomic DNA was isolated from a variety of microbiological samples. PCR targeting the 16S rRNA gene was performed on DNA isolated from Gram-Positive and Gram-Negative bacteria. DNA was isolated from 1 colony.

## Ordering Information

### Product

Smart D-N-Adem-Kit for Bacteria

### Size

50 preparations

### Code Number

06131

ademtech



ADEMTECH SA

Parc Scientifique Unitec 1

4 allée du doyen Georges Brus-33600 Pessac-France

Tel:+33(0)5 57 02 02 01 Fax:+33(0)5 57 02 02 06

ademtech@ademtech.com - www.ademtech.com