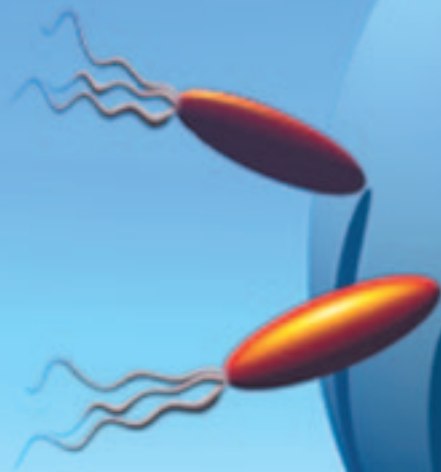
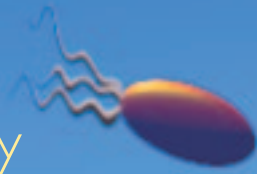


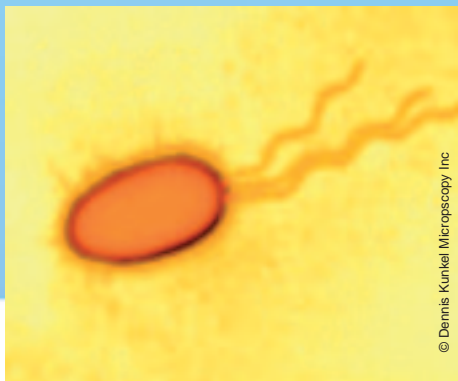
BUGS'n BEADS™

Your new
fast and easy
kit for isolation
of PCR ready
DNA from
bacteria
in complex
samples



Clinical & Food Diagnostics
for isolation and detection of
pathogenic bacteria

Research
for analytical purposes



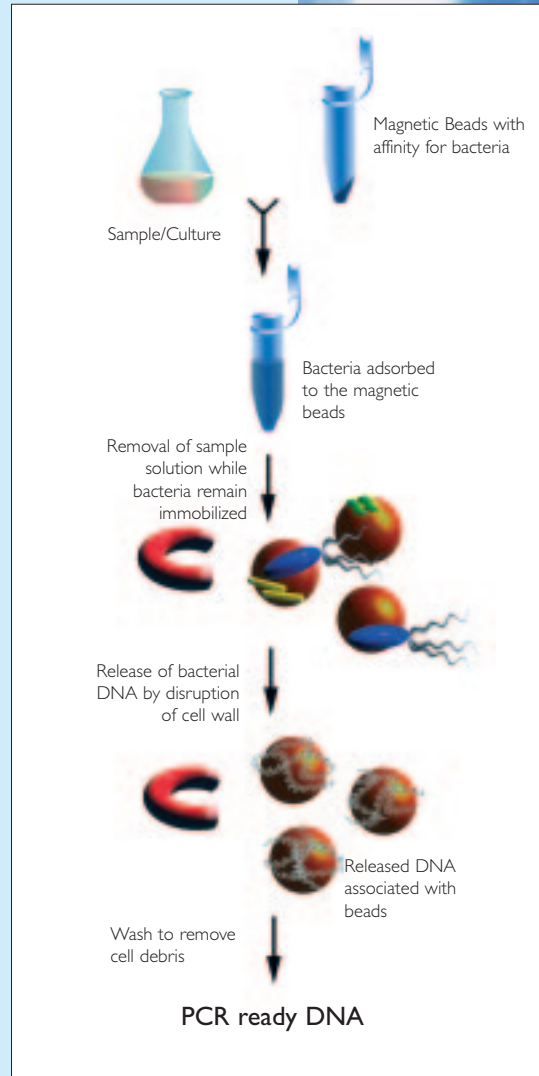
genpoint

BUGS'N BEADS™

The Genpoint BUGS'n BEADS™ kit is a simple, fast, and robust method to isolate PCR ready DNA. BUGS'n BEADS™ is designed to be the first step in detecting the presence or absence of pathogenic bacteria in a wide range of food and clinical samples.

The method utilizes coated magnetic PVA beads with affinity for bacteria. BUGS'n BEADS™ facilitates the separation of pathogenic bacteria from a sample, and subsequent isolation of their DNA prior to PCR based analysis. This important step removes potential PCR inhibiting components.

For isolation of bacteria for applications other than PCR, Genpoint has developed the BUG TRAP kit which is designed for the capture of living cells from a sample.

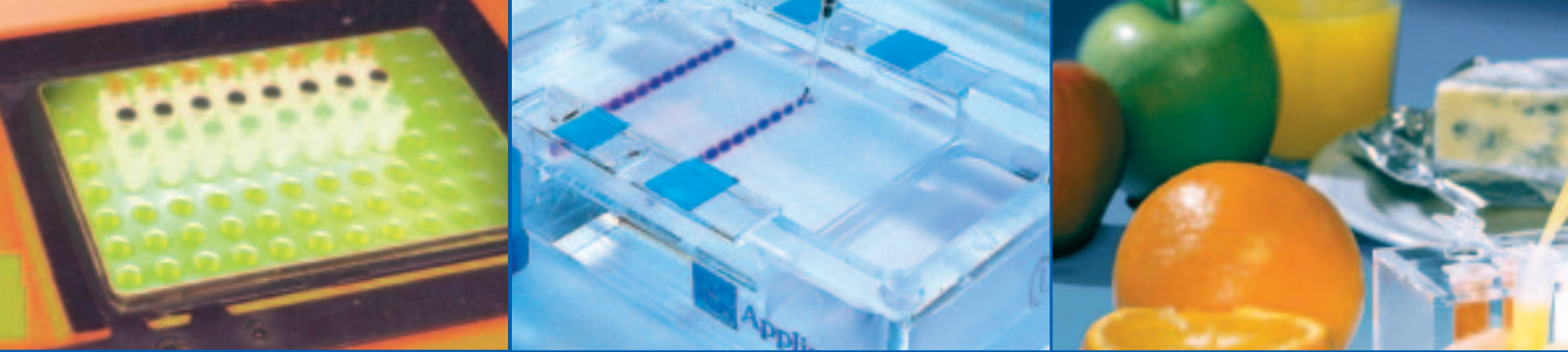


APPLICATIONS

- Research
- Food Safety
- Clinical Diagnostics

The BUGS'n BEADS™ kit is designed to isolate enough bacterial DNA for 5-10 PCR. The beads have affinity for most of the important pathogenic strains. Thus, the BUGS'n BEADS™ kit represents a universal approach for capturing bacteria, and isolation of their DNA. The specific detection of the bacteria of interest is achieved in the PCR step, by selection of appropriate primers, providing the user with a cost-effective method for analyzing the bacterial content of complex samples.

Aeromonas
Bacillus
Campylobacter
E.coli
Klebsiella
Listeria
Proteus
Pseudomonas
Salmonella
Shigella
Staphylococcus
Vibrio
Yersinia

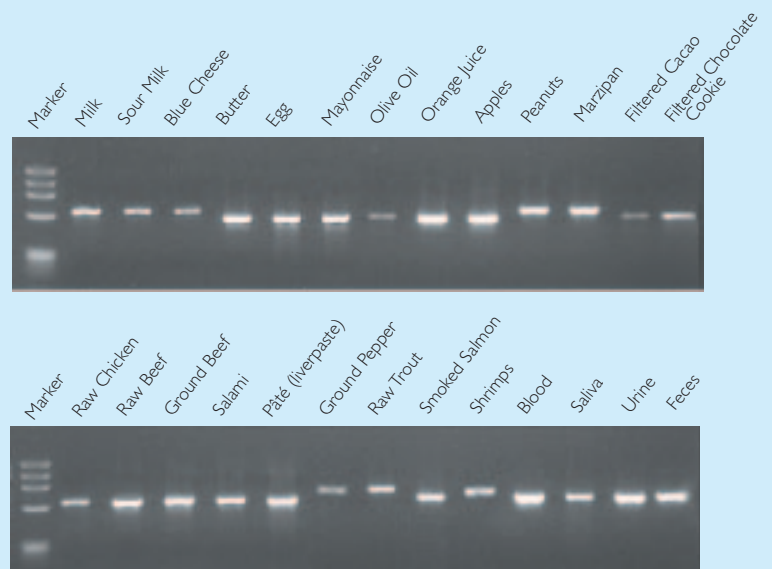


The kit allows for isolation of bacteria from a wide range of materials. BUGS'n BEADS™ has been tested on clinical samples as well as food from the following categories:

- Blood
- Blood products
- Spinal fluid
- Urine
- Feces
- Dairy products
- Meat & Poultry
- Fish
- Fruits & Vegetables
- Legumes & Nuts

EXAMPLES

The method provides high quality PCR products as shown below. These PCR results were obtained from DNA prepared with BUGS'n BEADS™ from complex samples spiked with a selection of bacteria. Examples from different categories have been amplified using unique primer sets.



BUGS'n BEADS™ is optimized for immobilization and isolation of DNA from pathogenic bacteria. Most lactic acid bacteria have reduced affinity for the beads, hence improving the chance of capturing pathogens in for example dairy products.

WHY CHOOSE THE BUGS'N BEADS™ KIT?

HIGH QUALITY BACTERIAL DNA

Removes most of the PCR inhibiting materials when the bacteria are immobilized. It provides you with high quality bacterial DNA.

COMPLEX SAMPLES

Can be used directly on most food and clinical samples, unlike many other kits for isolation of bacterial DNA.

SIMPLE TRACKING OF SAMPLES

The BUGS'n BEADS™ test procedure can be carried out in one single tube. This avoids time consuming changing and labelling of new tubes, and allows for easy tracking of your samples.

UNIVERSAL ISOLATION SYSTEM

The BUGS'n BEADS™ kit provides the user with a universal system for isolation of DNA from several strains of bacteria simultaneously.

ROBUST RESULTS

Both reliable and reproducible. BUGS'n BEADS™ ensures accurate results without prior experience with magnetic beads.

ENABLES AUTOMATION

Single-tube isolation, together with the elimination of centrifugation and boiling, makes the procedure readily amenable to automation. Please contact us for more information about automated sample preparation.



ORDER INFORMATION FOR BUGS'N BEADS™ KIT (FOR DNA ISOLATION)

Product	Prod.no.	Size
BUGS'n BEADS™	GK1-50	50 preps
BUGS'n BEADS™	GK1-100	100 preps

ORDER INFORMATION FOR BUG TRAP™ KIT (FOR CELL ISOLATION ONLY)

Product	Prod.no.	Size
BUG TRAP	GT1-50	50 preps
BUG TRAP	GT1-100	100 preps

Magnetic separator	MG-XS-20	(size 20 tubes)
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ORDER INFORMATION FOR PCR PRIMERS

Product	Prod.no.	Size
Primer pair <i>Campylobacter</i> spp.	PC	2 × 1000 pmol
Primer pair <i>C.jejuni</i>	PCJ	2 × 1000 pmol
Primer pair <i>C.coli</i>	PCC	2 × 1000 pmol
Primer pair <i>Listeria</i> spp.	PL	2 × 1000 pmol
Primer pair <i>L.monocytogenes</i>	PLM	2 × 1000 pmol
Primer pair <i>Salmonella</i> spp.	PS	2 × 1000 pmol
Primer pair O157 <i>E.coli</i>	PEC	2 × 1000 pmol
Primer pair <i>Yersinia</i> virulence	PYV	2 × 1000 pmol
Primer pair <i>Bacillus cereus</i>	PBC	2 × 1000 pmol
Primer pair <i>Staphylococcus aureus</i>	PSA	2 × 1000 pmol

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