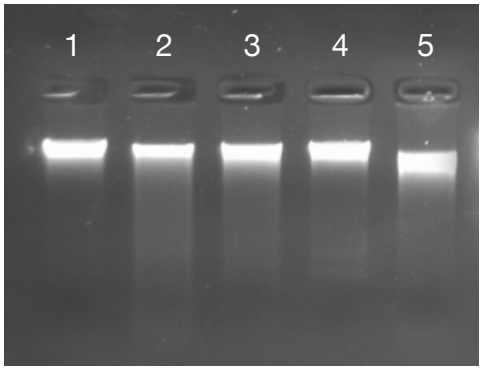
NucleoSpin® Microbial DNA

- Reliable isolation of DNA from microorganisms including yeast, fungi, Gram-negative and Gram-positive bacteria
- Lysis is supported by mechanical disruption with glass beads

Product at a glance

Technology	Silica-membrane technology combined with Bead Tubes Type B (optional Type C)
Sample material	< 40 mg wet weight cell pellet
Fragment size	200 bp–approx. 50 kbp
Typical yield	Depends on sample type and disruption Approx. 5–25 µg (30 mg wet weight cell pellet)
A_{260}/A_{280}	1.6–2.0
Elution volume	100–200 µL
Preparation time	35 min/6 preps
Binding capacity	60 µg

Application data



Efficient DNA recovery from different microorganisms

DNA was isolated with the NucleoSpin® Microbial DNA kit and NucleoSpin® Bead Tube Type B (included in the kit) or NucleoSpin® Bead Tube Type C (see ordering information). 100 ng DNA per prep was analyzed by agarose gel electrophoresis showing high molecular DNA without RNA contamination or DNA degradation.

1. *Escherichia coli*, NucleoSpin® Bead Tube Type B
2. *Vibrio fischerii*, NucleoSpin® Bead Tube Type B
3. *Bacillus subtilis*, NucleoSpin® Bead Tube Type B
4. *Corynebacterium glutamicum*, NucleoSpin® Bead Tube Type B
5. *Saccharomyces cerevisiae*, NucleoSpin® Bead Tube Type C

Microorganism	Tested by
Acinetobacter spec.	customer
Aspergillus spec.	MN
Bacillus subtilis	MN
Clostridium ljungdahlii	customer
Corynebacterium glutamicum	MN
Escherichia coli	MN
Eurotium spec.	customer
Klebsiella pneumoniae	customer
Microbacterium spec.	customer
Pichia pastoris	customer
Pseudomonas aeruginosa	customer
Rhizopus spec.	MN
Saccharomyces cerevisiae	MN
Staphylococcus epidermis	customer
Streptococcus pneumoniae	customer
Trametes spec.	customer
Vibrio fischerii	MN

Various applications

DNA was successfully isolated from the above mentioned microorganisms with the NucleoSpin® Microbial DNA kit.

Ordering information

Product	Preps	REF
NucleoSpin® Microbial DNA	10/50	740235.10/.50