

## Magnetic bead technology



*Broad range of kits for versatile applications*

*High performance DNA / RNA extraction*

### NucleoMag<sup>®</sup>

#### NucleoMag<sup>®</sup> 96

##### *Virus*

Norovirus, H1N1,  
H5N1, HBV, HCV...

#### NucleoMag<sup>®</sup> 96

##### *RNA*

Outstanding RNA quality  
and structural integrity

#### NucleoMag<sup>®</sup> 96

##### *Tissue*

Efficient lysis even for  
hard-to-lyse tissues



#### NucleoMag<sup>®</sup> 96

##### *Trace*

Extracting trace amounts  
of DNA (forensic samples)

#### NucleoMag<sup>®</sup> 96

##### *PCR*

High recovery of  
PCR products

#### NucleoMag<sup>®</sup> 200 $\mu$ L / 3 mL

##### *Blood*

High reproducibility  
of DNA yield and purity

#### NucleoMag<sup>®</sup> 96

##### *Plant*

Homogeneous DNA yields from  
a broad range of plant tissues

# Magnetic bead separation technology

## NucleoMag® – The ultimate attraction!

### ▶ *superparamagnetic polymer beads*

### ▶ *easy liquid handling*

fast magnetic separation – complete resuspension – no clumping – slow sedimentation

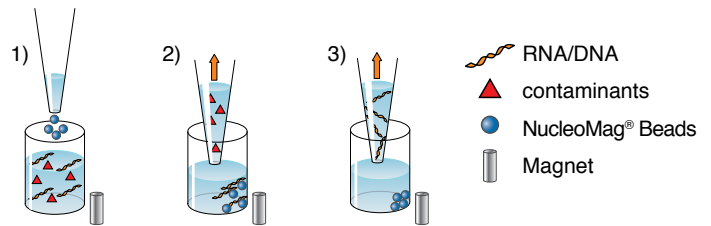
### ▶ *minimized risk of bead carry-over*

### ▶ *high binding capacity*

### ▶ *no cross-contamination*

## NucleoMag® Principle

- 1) NucleoMag® Beads are added to the sample (like lysed starting materials or PCR reactions).
- 2) DNA/RNA is bound to the NucleoMag® Beads. Beads are kept in the well by the magnet while contaminants are washed away.
- 3) DNA/RNA is eluted from the beads and recovered while beads are kept in the well by the magnet. DNA/RNA is ready-to-use in downstream applications.



## Ordering information

Product	Application	Remarks	Preps	REF
<b>NucleoMag® 96 Virus</b>	Viral RNA/DNA from cell-free body fluids	Proteinase K and Carrier RNA included	1x96 / 4x96	744800.1/.4
<b>NucleoMag® 96 RNA</b>	RNA from cells, tissue, bacteria	Sample size: < 20 mg tissue / 10 <sup>6</sup> cells rDNase and TCEP included	1x96 / 4x96	744350.1/.4
<b>NucleoMag® 96 Tissue</b>	gDNA from cells, tissue, bacteria	Sample size: < 20 mg tissue / 10 <sup>7</sup> cells	1x96 / 4x96 / 24x96	744300.1/.4/.24
<b>NucleoMag® Blood 200 µL</b>	gDNA from blood, body fluids	Typical yield: 2 – 8 µg / 200 µL	1x96 / 4x96	744501.1/.4
<b>NucleoMag® Blood 3 mL</b>	gDNA from blood, body fluids	Typical yield: 100 – 130 µg / 3 mL*	1x96	744502.1
<b>NucleoMag® 96 Plant</b>	gDNA from plant tissues	Sample size: 20 – 50 mg plant tissue Typical yield: 10 – 20 µg	1x96 / 4x96 / 24x96	744400.1/.4/.24
<b>NucleoMag® 96 Trace</b>	gDNA from forensic samples	Typical yield: 1 – 3 µg	1x96 / 4x96 / 24x96	744600.1/.4/.24
<b>NucleoMag® 96 PCR</b>	PCR clean up	Sample: < 50 µL PCR reaction Fragment size: 150 bp – 10 kbp	1x96 / 4x96 / 24x96	744100.1/.4/.24

\* Protocol is established on the KingFisher® Flex from ThermoFisher® Scientific.

Visit [www.mn-net.com/bioanalysis](http://www.mn-net.com/bioanalysis) for detailed information

Your local distributor

[www.mn-net.com](http://www.mn-net.com)

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