

# NucleoSpin<sup>®</sup> RNA Plus

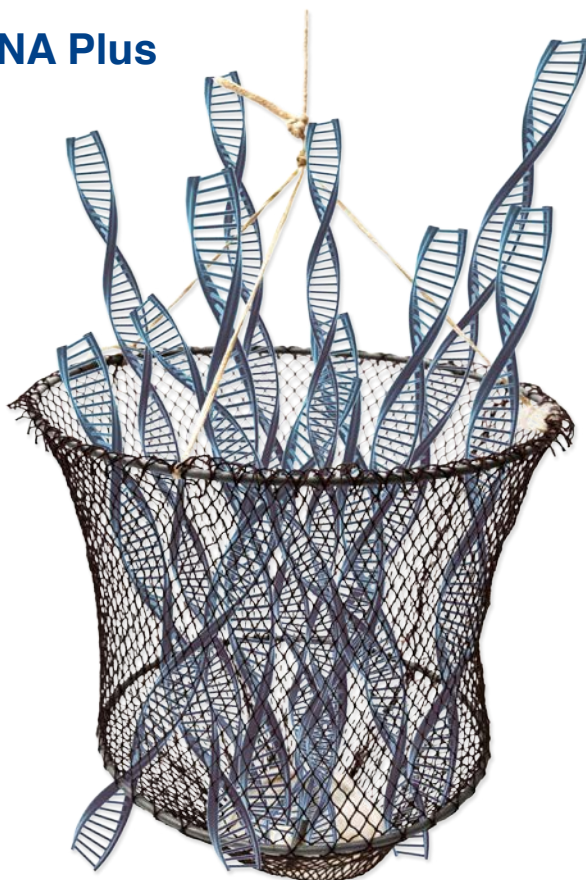
## RNA purification products from MACHEREY-NAGEL

*RNA mini kit for cells and tissue*

*NEW gDNA removal columns*

*The fastest way to catch DNA contamination!*

**NucleoSpin<sup>®</sup> RNA Plus**



### **The enhanced way of RNA isolation**

Fast and easy procedure – no time consuming rDNase digestion

Efficient genomic DNA removal and lysate clearing in one step

### **Convenient handling**

No  $\beta$ -mercapthoethanol or TCEP necessary

**... high quality RNA for reliable downstream applications**

**MACHEREY-NAGEL**

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



*Since 1911*

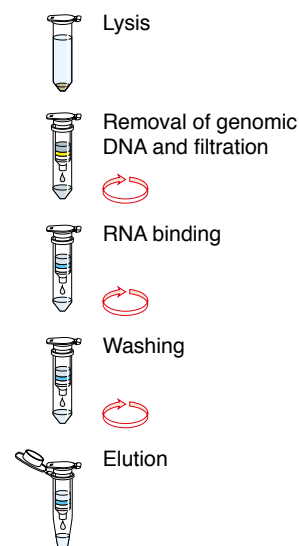
# NucleoSpin® RNA Plus

The next generation kit for RNA isolation from cells and tissue

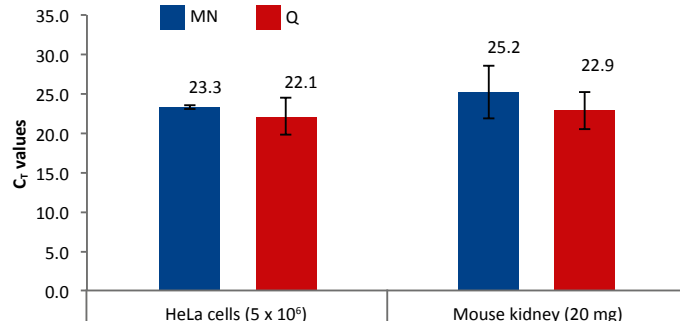
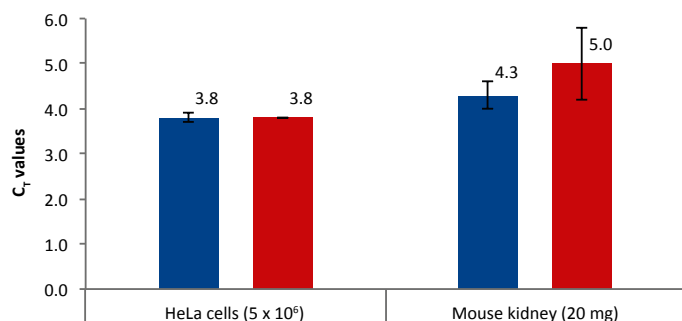
## Product at a glance

<b>Technology</b>	Silica-membrane	
<b>Sample material</b>	< 1 x 10 <sup>7</sup> cultured cells, < 10 <sup>9</sup> bacterial cells < 10 <sup>8</sup> yeast cells, < 30 mg tissue	
<b>Fragment size</b>	> 200 nt	
<b>Typical yield</b>	HeLa cells 5 x 10 <sup>6</sup> :	40–60 µg
	Mouse liver 20 mg:	80–100 µg
	Mouse kidney 20 mg:	40–70 µg
	Mouse spleen 5 mg:	30–60 µg
<b>Typical RIN (RNA integrity number)</b>	> 9	
<b>Elution volume</b>	30–120 µL	
<b>Preparation time</b>	20 min/6 preps	
<b>Binding capacity</b>	200 µg	

## Procedure



## Application data

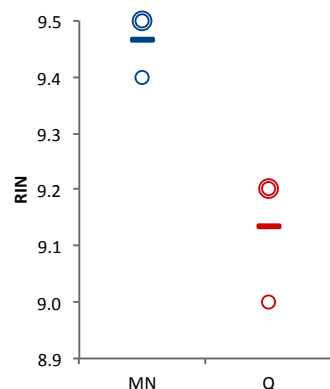


### Efficient RNA recovery

RNA was isolated from HeLa cells (5 x 10<sup>6</sup>) and mouse kidney (20 mg) with the NucleoSpin® RNA Plus (MN) and a competitor kit (Q). The RNA recovery was quantified by qRT-PCR. The C<sub>T</sub> values are same or lower for MN, indicating similar or better yield for the MN kit.

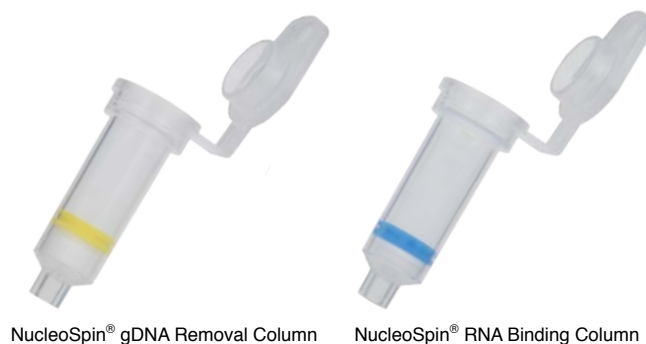
### Reliable genomic DNA removal

NucleoSpin® RNA Plus (MN) and a competitor kit (Q) have been used for the isolation of RNA from HeLa cells (5 x 10<sup>6</sup>) and mouse kidney (20 mg). Residual genomic DNA were measured by qPCR. The MN kit shows higher C<sub>T</sub> values showing a more efficient genomic DNA removal. Higher C<sub>T</sub> values mean less genomic DNA.



### RNA of high integrity

10 mg mouse kidney tissue was used for RNA isolation. Equal amount of RNA were analyzed on an Agilent Bioanalyzer. The RIN value is higher for the MN kit.



## Ordering information

Product	Preps	REF
NucleoSpin® RNA Plus	10 / 50 / 250	740984.10 / .50 / .250

www.mn-net.com

**MACHEREY-NAGEL**



MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6–8 · 52355 Düren · Germany

**Germany and international:**  
Tel.: +49 24 21 969-0  
Fax: +49 24 21 969-199  
E-mail: info@mn-net.com

**Switzerland:**  
MACHEREY-NAGEL AG  
Tel.: +41 62 388 55 00  
Fax: +41 62 388 55 05  
E-mail: sales-ch@mn-net.com

**France:**  
MACHEREY-NAGEL EURL  
Tel.: +33 388 68 22 68  
Fax: +33 388 51 76 88  
E-mail: sales-fr@mn-net.com

**USA:**  
MACHEREY-NAGEL Inc.  
Tel.: +1 484 821 0984  
Fax: +1 484 821 1272  
E-mail: sales-us@mn-net.com

