

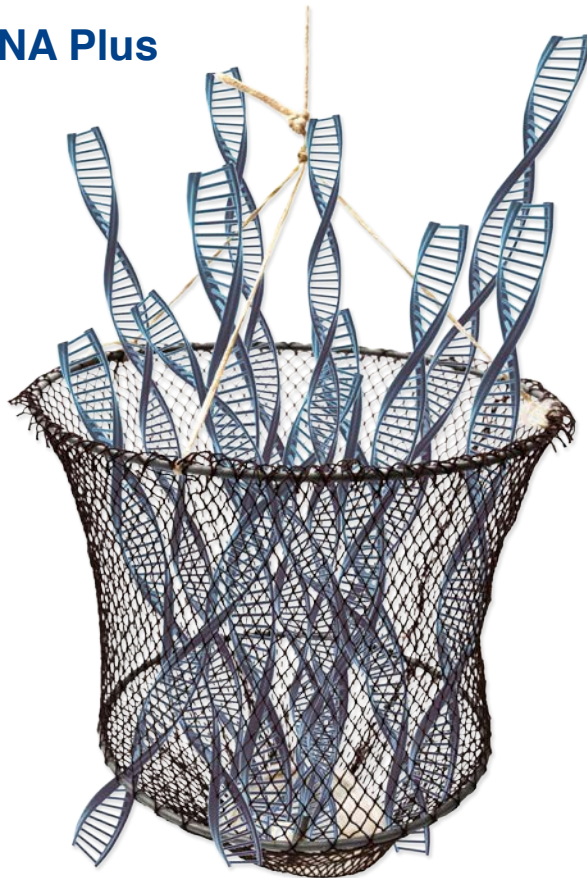
RNA purification products from MACHERY-NAGEL

RNA mini kit for cells and tissue

NEW gDNA removal columns

The fastest way to catch DNA contamination!

NucleoSpin[®] 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 β -mercapthoethanol or TCEP necessary

... high quality RNA for reliable downstream applications

MACHERY-NAGEL

www.mn-net.com



Since 1911

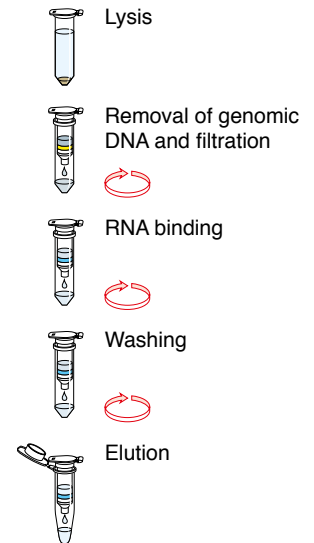
NucleoSpin® RNA Plus

The next generation kit for RNA isolation from cells and tissue

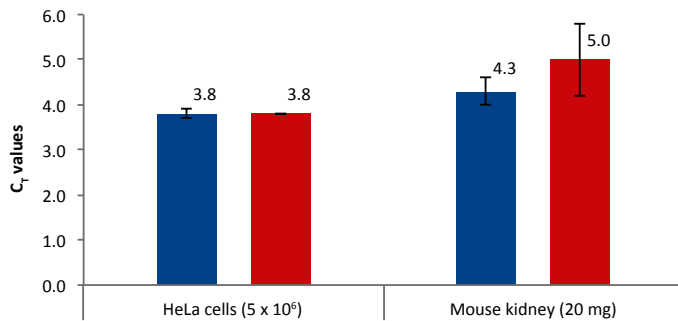
Product at a glance

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

Procedure

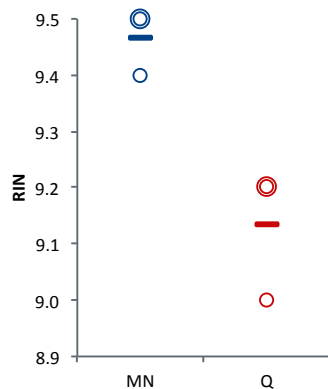


Application data



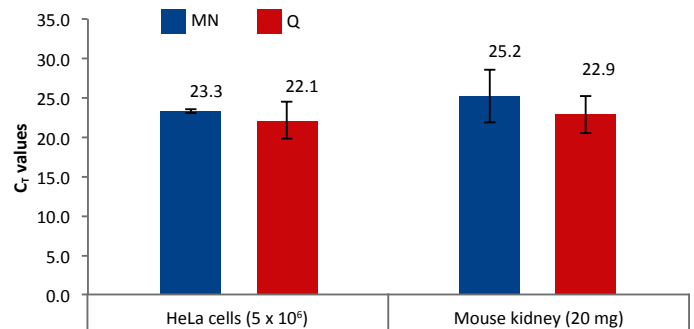
Efficient RNA recovery

RNA was isolated from HeLa cells (5 x 10⁶) 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_T values are same or lower for MN, indicating similar or better yield for the MN kit.



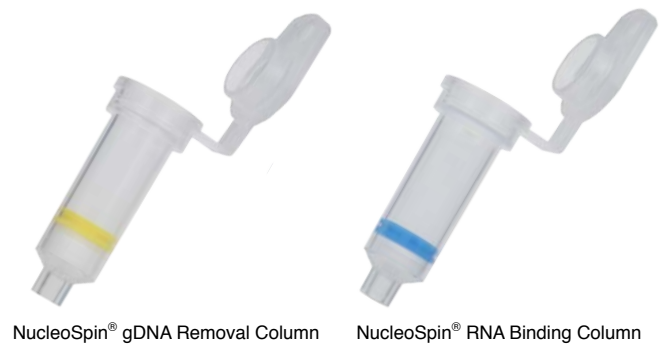
RNA of high integrity

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.



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 10⁶) and mouse kidney (20 mg). Residual genomic DNA were measured by qPCR. The MN kit shows higher C_T values showing a more efficient genomic DNA removal. Higher C_T values mean less genomic DNA.



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

