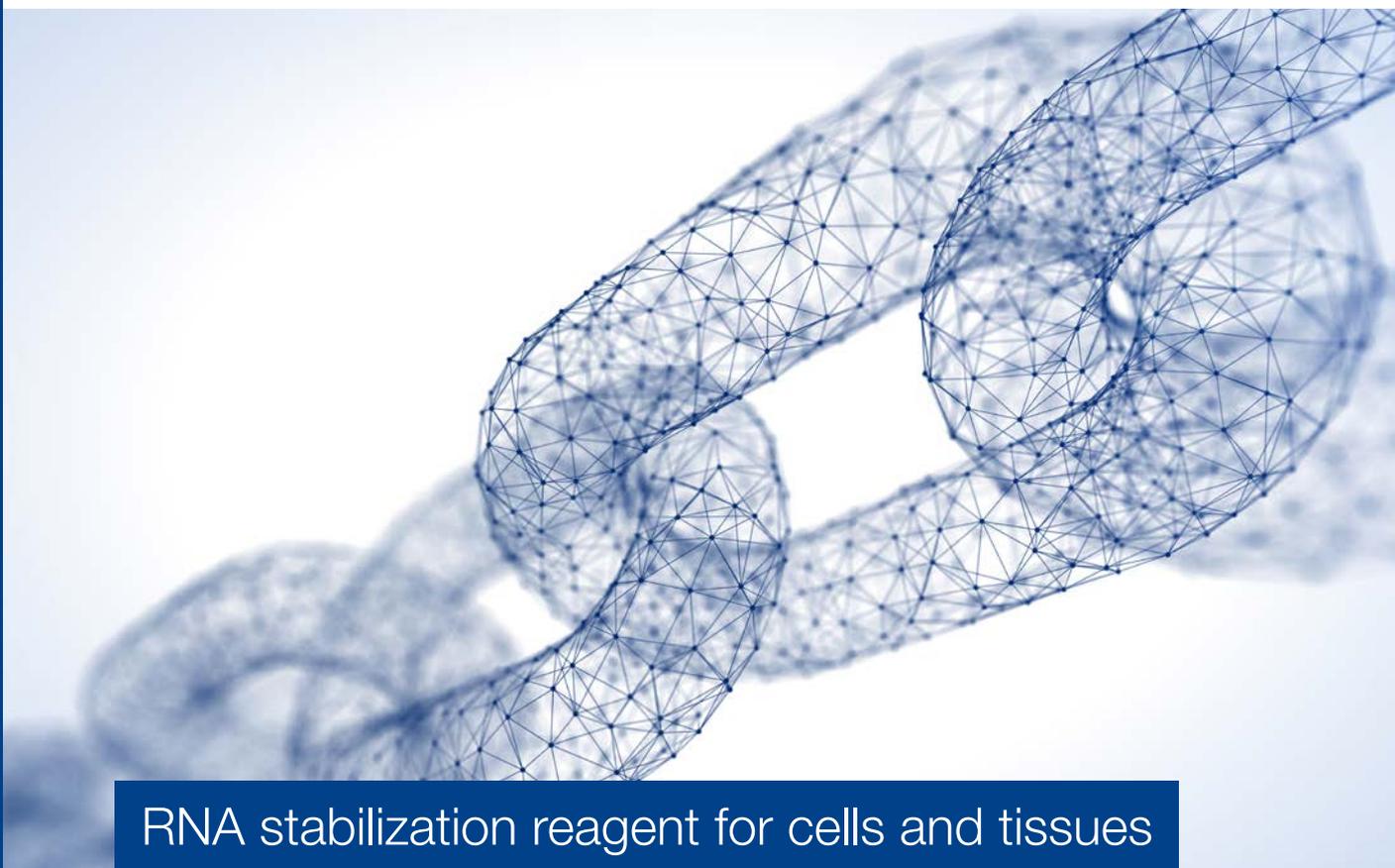


MACHEREY-NAGEL

NucleoProtect[®] RNA

Bioanalysis



RNA stabilization reagent for cells and tissues

- Collect your sample now – get your RNA later
- Protect your samples from RNA degradation
- Combine with your RNA isolation method of choice

MACHEREY-NAGEL

www.mn-net.com



RNA stabilization in cells and tissues

NucleoProtect® RNA

Collect your sample now – get your RNA later!

The NucleoProtect® RNA stabilization solution allows convenient long term storage of animal cell and tissue samples for subsequent RNA isolation.

Samples are treated with NucleoProtect® RNA which permeates the tissue during incubation and protects the RNA from degradation. Samples can be stored conveniently at 4 °C for up to one month or at ≤ -20 °C for long term storage.

NucleoProtect® RNA preserves RNA integrity and is compatible with the RNA isolation method of your choice.

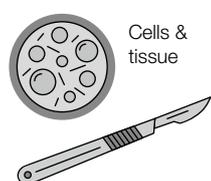
Product at a glance

	Reag NucleoProtect® RNA
Technology	RNA stabilization reagent
Processing	Add 10 volumes to sample
Sample material	Human / animal cells and tissues (max. 5 mm diameter)
Storage time	18–25 °C ≤ 7 days 4 °C ≤ 1 month -20 / -80 °C long term
Typical RIN after RNA isolation*	10 for cultured mammalian cells > 9 for mammalian tissues

* Data generated with NucleoSpin® kits; RNA integrity strongly depends on quality and handling of samples prior to stabilization

Procedure

Collect sample



Cells & tissue

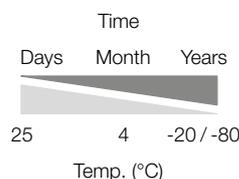
Add NucleoProtect® RNA & incubate



10 volumes
NucleoProtect® RNA

1–12 h
4–25 °C

Store

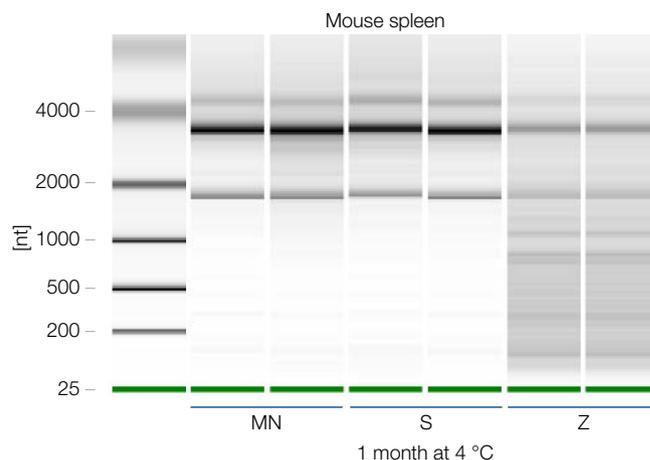
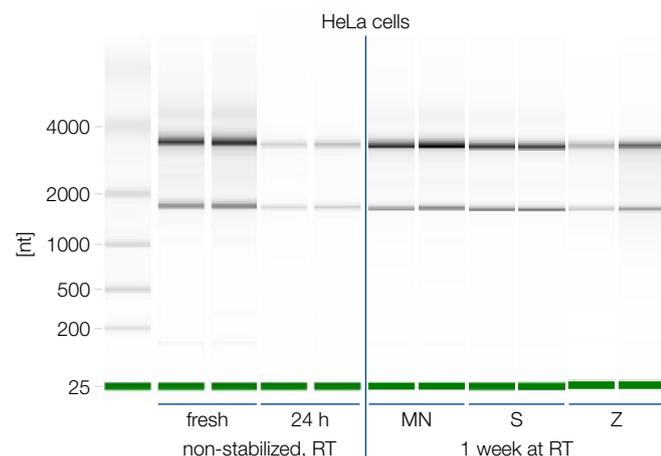


Purify



NucleoSpin® RNA kits
or alternative products

Application data



Efficient stabilization of RNA in samples prior to RNA isolation

Cell culture and mouse tissue samples (fresh, stabilized, and non-stabilized) were used for subsequent RNA isolation with the NucleoSpin® RNA Plus kit. In this experimental setup NucleoProtect® RNA preserves RNA integrity within samples as good as or better than competitor solutions (MN = NucleoProtect® RNA; S = RNAlater®; Z = DNA/RNA Shield™).

Ordering information

Product	Specifications	Size	REF
NucleoProtect® RNA	RNA Stabilization Solution	50 / 250 / 500 mL	740400.50 / .250 / .500
NucleoSpin® RNA Plus	RNA isolation mini kit with gDNA removal column	10 / 50 / 250 preps	740984.10 / .50 / .250
NucleoSpin® RNA	RNA isolation mini kit with DNase digest	10 / 50 / 250 preps	740955.10 / .50 / .250
NucleoSpin® RNA Plus XS	RNA isolation micro kit with gDNA removal column	10 / 50 / 250 preps	740990.10 / .50 / .250
NucleoSpin® RNA XS	RNA isolation micro kit with DNase digest	10 / 50 / 250 preps	740902.10 / .50 / .250

Trademarks: NucleoSpin are registered trademarks of MACHERY-NAGEL GmbH & Co KG; RNAlater is a registered trademark of Ambion, Inc.; DNA/RNA Shield™ is a trademark of Zymo Research Corp.

www.mn-net.com

MACHERY-NAGEL



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