

MACHEREY-NAGEL

## Large scale RNA Clean-up

Bioanalysis



### NucleoBond® RS RNA Clean-up

Preparative scale RNA Clean-up for IVT reactions

- Scalability from 1 – 140 mg of RNA
- Efficient RNA Clean-up with high recovery rates
- Maximum sample safety using closed columns

**MACHEREY-NAGEL**

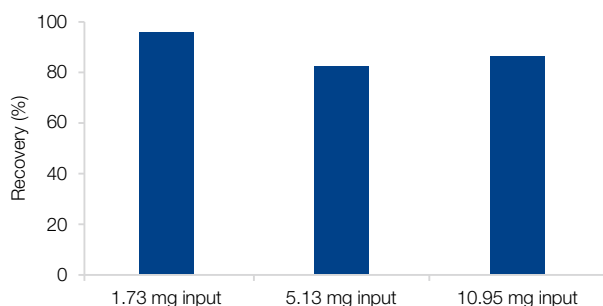
[www.mn-net.com](http://www.mn-net.com)



# Large scale RNA Clean-up

## Product at a glance

|  |                                     |
|--|-------------------------------------|
| Technology   | Anion exchange technology           |
| Format   | RS column                           |
| Sample material  | 1 – 140 mg crude RNA                |
| Theoretical binding capacity<br>RS 10/ RS 50/ RS 100/ RS 200 | 10 mg / 45 mg / 75 mg / 140 mg      |
| Typical recovery   | ≥ 80 %                              |
| A260/A280  | ≥ 2.0                               |
| A260/A230  | ≥ 2.0                               |
| Typical RIN (RNA Integrity Number)                           | Equal to integrity of RNA input ± 1 |
| Use  | Research use only                   |



### RNA Clean-up with reliable recovery rates

NucleoBond® RS 10 columns were used for RNA Clean-up of different sample amounts according to the recommended protocol in the user manual. The data shows reliable recovery rates of 95.7 % (1.73 mg input), 82.2 % (5.13 mg input) and 86.3 % (10.95 mg input).

| RNA sample amount (input) | Input RIN | Output RIN |
|---------------------------|-----------|------------|
| 1.73 mg                   | 7.6       | 8.3        |
| 5.13 mg                   | 8.2       | 8.3        |
| 10.95 mg                  | 7.1       | 6.7        |

### High-integrity RNA after Clean-up with NucleoBond® RS 10 columns

RNA samples of different amounts, such as 1.73 mg, 5.13 mg, and 10.95 mg were cleaned-up using NucleoBond® RS 10 columns according to the recommended protocol in the user manual. RNA was analyzed on Agilent's Bioanalyzer 2100. RNA integrities are comparable to the input samples after clean-up (RIN ± 1).

## Ordering information

| Product                         | Pack of / Volume  | REF                       |
|---------------------------------|-------------------|---------------------------|
| NucleoBond® RS 10               | 5 columns         | 743502                    |
| NucleoBond® RS 50               | 1 column          | 743503                    |
| NucleoBond® RS 100              | 1 column          | 743504                    |
| NucleoBond® RS 200              | 1 column          | 743505                    |
| Buffer NRB                      | 1000 mL / 3000 mL | 740371.1000 / 740371.3000 |
| Buffer EQU                      | 1000 mL / 3000 mL | 740317.1000 / 740317.3000 |
| Buffer NRW                      | 1000 mL / 3000 mL | 740372.1000 / 740372.3000 |
| Buffer NRE                      | 1000 mL / 3000 mL | 740373.1000 / 740373.3000 |
| H <sub>2</sub> O-EF             | 1000 mL           | 740798.1                  |
| NucleoBond® RS Starter Set      | 1 set             | 743510                    |
| NucleoBond® RS FPLC Adapter Set | 1 set             | 743511                    |
| MN Sterilizer CA                | 50 pieces         | 740401.50                 |

### Questions?

Contact the experts from MACHERY-NAGEL technical support  
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www.mn-net.com

# MACHERY-NAGEL



Management System  
EN ISO 13485:2016  
ISO 9001:2015



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