

MACHEREY-NAGEL

# User manual



## Plasmid DNA purification

■ NucleoBond® PC 10000 Rack

November 2023 / Rev. 02

**MACHEREY-NAGEL**

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# 1 Contents

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## 2 Product description

The **NucleoBond® PC 10000 Rack** is designed for use with NucleoBond® PC 10000 (REF 740593) and NucleoBond® PC 10000 EF Kits (REF 740548) as well as with NucleoBond® AX 10000 Columns (REF 740534). The main function is to ensure a secure column position during the preparation. The rack enables waste collection and removal according to local legal guidelines. The risk of cross contamination during the elution step is reduced by an adjustable height of the columns' outlets relative to the desired elution vessel.

One rack can be used with up to five NucleoBond® AX 10000 Columns in parallel and is re-usable.

Rack, kits and columns are designed for research use only!

### 3 General remarks

NucleoBond® PC 10000 and NucleoBond® PC 10000 EF kits use detergents of the Triton® X-group (4 tert Octylphenol ethoxylates) as ingredients in buffers N2, N2-EF and N3-EF. Collect and discard the corresponding column flowthrough according to local legal guidelines.



## **4 Handling of the NucleoBond® PC 10000 Rack**

The height of the base plate can be adjusted via knurled screws on the left and right side of the rack. The deepest position is recommended for most preparation steps excluding the elution step. For the elution step the height can be adjusted to fit with the height of the desired elution vessel.

The waste container is placed below the columns' outlets during the preparation. It is equipped with a valve, thus it is possible to close the valve by turning the lever at right angle to the flow direction and to open the valve by turning the lever lengthwise to the flow direction.

Flow through from the columns can be collected either by closing the valve and collecting the waste in one batch within the waste container or by opening the valve and connecting it with a tubing (inner diameter 8 mm) to a separate waste container. In this case the separate waste container must be positioned at a lower level than the valve.

## 5 Cleaning

It is recommended to clean the rack by wiping it with 70 % ethanol and distilled water after use.

The rack can be cleaned in a laboratory glassware washer. Disassemble the components by removing the knurled screws and the base plate as well as the valve of the waste container. Repeated washing at high temperature with alkaline washing agents might result in embrittlement of the plastics and glues.

The rack can be sterilized by autoclaving at 121 °C for 20 min. Disassemble the rack by removing the knurled screws and the base plate as well as the valve of the waste container before starting the sterilization. Autoclaving will result in spots of different color on the valve, not affecting the function. Repeated autoclaving might result in embrittlement of the plastics and glues. Do not exceed 121 °C!



## 6 Appendix

### 6.1 Ordering Information

Product	REF	Pack of
NucleoBond® PC 10000	740593	5 preps
NucleoBond® PC 10000 EF	740548	5 preps
NucleoBond® AX 10000	740534	5 columns
NucleoBond® Bottle Top Filters Type 2	740553.5	5 pieces
Buffer S1	740516.1	500 mL
Buffer S2	740517.1	500 mL
Buffer S3	740518.1	500 mL
Buffer N2	740527.1	500 mL
Buffer N3	740528.1	1000 mL
Buffer N5	740529.1	500 mL
RNase A (lyophilized)	740505.50 740505	50 mg 100 mg
Buffer S1-EF	740790.1	1000 mL
Buffer S2-EF	740791.1	1000 mL
Buffer S3-EF	740792.1	1000 mL
Buffer N2-EF	740793.1	1000 mL
Buffer N3-EF	740794.1	1000 mL
Buffer N4-EF	740795.1	1000 mL
Buffer N5-EF	740796.1	1000 mL
Buffer TE-EF	740797.1	1000 mL
Buffer H <sub>2</sub> O-EF	740798.1	1000 mL

## 6.2 Product use restriction / warranty

All MACHEREY-NAGEL products are designed for their intended use only. They are not intended to be used for any other purpose. The description of the intended use of the products can be found in the original MACHEREY-NAGEL product leaflets. Before using our products, please observe the instructions for use and the safety instructions from the respective Material Safety Data Sheet of the product.

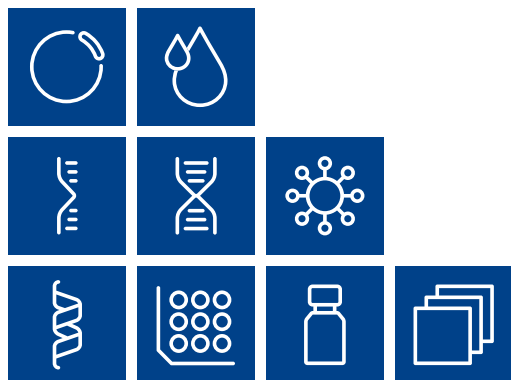
This MACHEREY-NAGEL product is carrying documentation stating specifications and other technical information. MACHEREY-NAGEL warrants to meet the stated specifications. The provided warranty is limited to the data specifications and descriptions as given in the original MACHEREY-NAGEL literature. No other statements or representations, written or oral, by MACHEREY-NAGEL's employees, agents or representatives, except written statements signed by a duly authorized officer of MACHEREY-NAGEL are authorized. They should not be relied upon by the customer and are not a part of a contract of sale or of this warranty.

Liability for all possible damages that occur in any connection with our products is limited to the utmost minimum as stated in the general business terms and conditions of MACHEREY-NAGEL in their latest edition which can be taken from the company's website. MACHEREY-NAGEL does not assume any further warranty.

Products and their application are subject to change. Therefore, please contact our Technical Service Team for the latest information on MACHEREY-NAGEL products. You may also contact your local distributor for general scientific information. Descriptions in MACHEREY-NAGEL literature are provided for informational purposes only.

Last updated: 08/2022, Rev. 04

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Plasmid DNA

Clean up

RNA

DNA

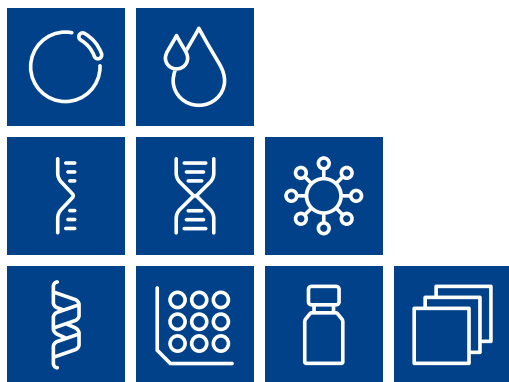
Viral RNA and DNA

Protein

High throughput

Accessories

Auxiliary tools



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A071514/113x.xx



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