

User manuals

**NucleoSpin® Forensic Filters 740988.10 / 50 / 250 /
50B / 250B / 1000B**



Dear valued customer,

Thank you for choosing MACHEREY-NAGEL for your application.

This product is for research use only.

Important information regarding product components, specifications, safety instructions, and processing protocols, can all be found on the product website and accessed easily via the QR code.

[QR-Code product website](#)



[qr.mn-net.com/qr/\(241\)740988](http://qr.mn-net.com/qr/(241)740988)

Product description

NucleoSpin® Forensic Filters are special semi-permeable baskets to facilitate the lysis of trace amounts of sample on solid carriers (e.g., swabs, denim) and the separation of lysate from the carrier. Lysis buffer and sample are retained in the filter during incubation without buffer running through. For separation, the lysate is simply centrifuged through the semi-permeable basket bottom and collected in a tube with lid for further analysis or storage. Hence any manual transfer of sample carrier into or out of the lysis buffer can be avoided and risks of cross-contamination or loss of lysate are minimized.

Specifications

- The NucleoSpin® Forensic Filters conveniently hold up to 800 µL of sample and lysis buffer.
- The filters retain all kinds of lysis buffer even with high concentrations of detergents.
- Samples can be incubated at high temperature (e.g., 56 °C), with shaking, and even overnight without buffer leakage.
- The special design and material minimizes loss of DNA caused by unspecific binding to the plastics.
- The NucleoSpin® Forensic Filters are tested RNase- and DNase-free and are ethylene oxide treated to be free of any amplifiable DNA.
- The kits contain respectively either 10, 50 or 250 NucleoSpin Forensic Filters including a 2 mL Collection Tube.

Instructions for use

- 1 Remove a NucleoSpin® Forensic Filter together with the collection tube from the blister.

Note: The crude RNA solution should be of low RNase activity, otherwise the RNA quality may be affected during incubation.

- 2 Put the sample into the filter.
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- 3 Add lysis buffer to the sample and make sure not to exceed a total volume of 800 µL.
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- 4 Incubate the sample as necessary (e.g., 56 °C overnight).
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- 5 Centrifuge the NucleoSpin Forensic Filter at > 10,000 x g for at least 1 min. Depending on the sample and lysis buffer higher centrifugation speed and time might be necessary.

Note: Extend centrifugation time and/or increase centrifugation speed up to 20,000 x g if liquid does not pass completely.

- 6 Remove and discard the filter containing the solid sample carrier or put it in a new collection tube with lid for storage.
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- 7 Use the lysate flow-through for further DNA analysis or DNA purification.
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Safety instructions

When working with this product, wear suitable protective clothing (e.g., lab coat, disposable gloves, and protective goggles).

QR-Code Safety Data Sheet

Please find a digital version of the safety data sheets by following the link below:



www.mn-net.com/sds

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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