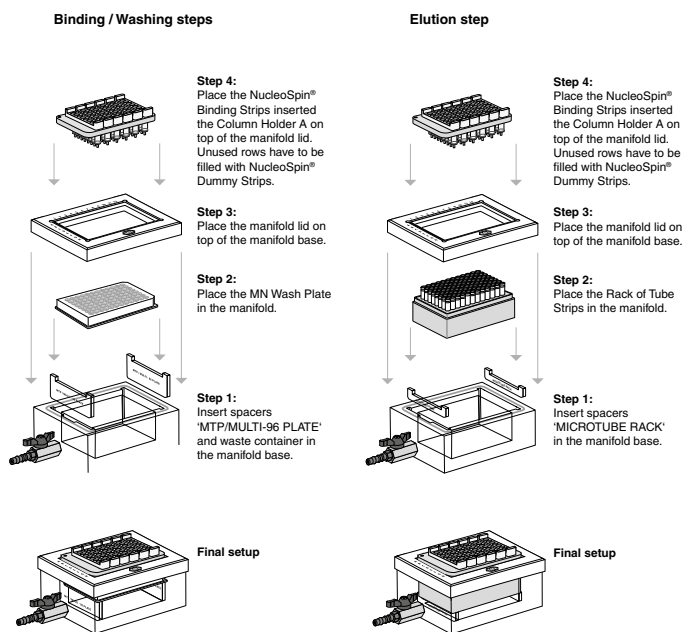


5 Setup of vacuum manifold

The use of NucleoSpin® DNA FFPE Binding Strips in a Column Holder A allows the isolation of up to $n \times 8$ samples ($n = 1-6$). Insert as many NucleoSpin® DNA FFPE Binding Strips as required into the reusable column holder. Close unused openings of the column holder with NucleoSpin® Dummy Strips and place column holder containing NucleoSpin® DNA FFPE Binding Strips and NucleoSpin® Dummy Strips onto NucleoVac 96 Vacuum Manifold.



6 Product use restrictions / warranty

NucleoSpin® 8 DNA FFPE kit is developed, designed, and sold for research purposes only. We offer a one year warranty from date of delivery that our products will conform to applicable specifications set forth in the product specifications if not sold to persons set forth in § 13 of German Civil Code. In such a case, the provisions of the German Civil Code shall be valid. This warranty does not cover defects in or damage to the products which are due to improper installation or maintenance, misuse, neglect or any use other than ordinary commercial application. The seller shall not be liable for the goods being fit for a particular purpose unless otherwise agreed upon, to which the buyer intends to put them. This warranty is strictly exclusive. MACHEREY-NAGEL MAKES no other warranty of any kind whatsoever, and SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES OF ANY KIND OR NATURE WHATSOEVER; DIRECTLY OR INDIRECTLY; EXPRESS OR IMPLIED; INCLUDING; WITHOUT LIMITATION; AS TO THE SUITABILITY; REPRODUCIBILITY; DURABILITY; FITNESS FOR A PARTICULAR PURPOSE OR USE; MERCHANTABILITY; CONDITION; OR ANY OTHER MATTER WITH RESPECT TO MACHEREY-NAGEL PRODUCTS OR THE SALE OF MACHEREY-NAGEL PRODUCTS. If not superseded by these terms the current terms and conditions for the sale of goods (export version) are additionally valid.

NucleoSpin® 8 DNA FFPE

1 Contents

NucleoSpin® 8 DNA FFPE		
REF	12 x 8 preps 740242	60 x 8 preps 740242.5
Lysis Buffer FL	30 mL	4 x 30 mL
Binding Buffer BQ1	45 mL	200 mL
Wash Buffer BW	100 mL	3 x 125 mL
Wash Buffer B5	100 mL	2 x 100 mL
Elution Buffer BE	30 mL	125 mL
Proteinase Buffer PB	15 mL	35 mL
Paraffin Dissolver (blue)	60 mL	2 x 125 mL
Decrosslink Buffer D-Link	30 mL	2 x 30 mL
Proteinase K	75 mg	5 x 75 mg
NucleoSpin® DNA FFPE Binding Strips	12	5 x 12
MN Wash Plate	2	10
Rack of Tube Strips and Cap Strips	2	10
Leaflet	1	1
User manual NucleoSpin® 96 DNA FFPE	1	1

2 Product description

The NucleoSpin® 8 DNA FFPE kit is designed for the isolation of DNA from formalin-fixed, paraffin-embedded (FFPE) tissue specimen. The procedure replaces the use of malodorous xylene or d-limonene commonly used for deparaffinization. Further, the procedure does not require the difficult removal of the solvent from often barely visible tissue pellets. NucleoSpin® 8 DNA FFPE employs the odorless Paraffin Dissolver (patented) and allows effective lysis in a convenient two-phase system. This kit provides reagents for a convenient, reliable, and fast method to isolate DNA from up to 48 samples. First, the paraffin of FFPE sections is dissolved in the Paraffin Dissolver. Tissue is then digested by proteinase to solubilize the fixed tissue and release the DNA into solution.

Appropriate conditions for binding of DNA to the silica membrane in the NucleoSpin® FFPE DNA Binding Strips are created by addition of large amounts of chaotropic salt and ethanol to the lysate. The binding process is reversible and specific to nucleic acids. While DNA is kept on the silica membrane, contaminations are removed by washing with two different wash buffers. Pure genomic DNA is finally eluted under low ionic strength conditions in a slightly alkaline elution buffer.

3 Storage conditions and preparation of working solutions

Attention: Buffers BQ1 and BW contain chaotropic salt! Wear gloves and goggles!

All components of the NucleoSpin® 8 DNA FFPE kit should be stored at room temperature (18–25 °C) and are stable for up to one year.

Before starting any NucleoSpin® 8 DNA FFPE protocol, prepare the following:

Wash Buffer B5: Add the indicated volume of ethanol (96–100 %) to Buffer B5 Concentrate before use. Mark the label of the bottle to indicate that ethanol was added. Store Wash Buffer B5 at room temperature (18–25 °C) for up to one year.

Proteinase K: Before first use of the kit, add indicated volume of Proteinase Buffer PB to each vial of the lyophilized Proteinase K. Dissolved Proteinase K solution should be stored at -20 °C and is stable for 6 months.

NucleoSpin® 8 DNA FFPE

REF	12 x 8 preps 740242	60 x 8 preps 740242.5
Wash Buffer B5 (Concentrate)	100 mL Add 400 mL ethanol	2 x 100 mL Add 400 mL ethanol to each bottle
Proteinase K (lyophilized)	1 vial (75 mg) Add 2.8 mL Proteinase Buffer	4 vials (75 mg / vial) Add 2.8 mL Proteinase Buffer to each vial

4 Safety instructions

The following components of the NucleoSpin® 8 DNA FFPE kit contain hazardous chemicals.

Wear gloves and goggles and follow the safety instructions given in this section.

GHS classification

Only harmful features must not be labeled with H and P phrases up to 125 mL or 125 g.
Mindergefährliche Eigenschaften müssen bis 125 mL oder 125 g nicht mit H- und P-Sätzen gekennzeichnet werden.

Component <i>Inhalt</i>	Hazard contents <i>Gefahrstoff</i>	GHS symbol <i>GHS-Symbol</i>	Hazard phrases <i>H-Sätze</i>	Precaution phrases <i>P-Sätze</i>
BQ1	Guanidine hydrochloride 50–66 % <i>Guanidinhydrochlorid 50–66 %</i> CAS 50-01-1	 WARNING ACHTUNG	302, 315, 319	264, 280, 301+312, 330
BW	Guanidine hydrochloride 36–50 % 2-propanol 20–35 % <i>Guanidinhydrochlorid 36–50 %</i> <i>2-propanol 20–35 %</i> CAS 50-01-1, 67-63-0	 WARNING ACHTUNG	226, 302, 319, 336	210, 260, 264, 280, 301+312, 330
Proteinase K	Proteinase K (lyophilized) 90–100 % <i>Proteinase K (lyophilisiert) 90–100 %</i> CAS 39450-01-6	 DANGER GEFAHR	317, 334	261, 280, 342+311
Paraffin Dissolver (blue)	Paraffin dissolver 90–100 % <i>Paraffin Dissolver 90-100 %</i> CAS 64742-46-7	 DANGER GEFAHR	304	301+310, 331

Hazard phrases

- H 226 Flammable liquid and vapour.
Flüssigkeit und Dampf entzündbar.
- H 302 Harmful if swallowed.
Gesundheitsschädlich bei Verschlucken.
- H 304 May be fatal if swallowed and enters airways.
Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein.
- H 315 Causes skin irritation.
Verursacht Hautreizungen.
- H 317 May cause an allergic skin reaction.
Kann allergische Hautreaktionen verursachen.
- H 319 Causes serious eye irritation.
Verursacht schwere Augenreizung.
- H 334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Kann bei Einatmen Allergie, asthmaartige Symptome oder Atembeschwerden verursachen.
- H 336 May cause drowsiness or dizziness.
Kann Schläfrigkeit und Benommenheit verursachen.

Precaution phrases

- P 210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Von Hitze, heißen Oberflächen, Funken, offenen Flammen sowie anderen Zündquellenarten fernhalten. Nicht rauchen.
- P 211 Do not spray on an open flame or other ignition source.
Nicht gegen offene Flamme oder andere Zündquelle sprühen.
- P 260 Do not breathe dust / fume / gas / mist / vapours / spray.
Staub / Rauch / Gas / Nebel / Dampf / Aerosol nicht einatmen.
- P 261 Avoid breathing dust / fume / gas / mist / vapours / spray.
Einatmen von Staub / Rauch / Gas / Nebel / Dampf / Aerosol vermeiden.
- P 264 Wash ... thoroughly after handling.
Nach Handhabung ... gründlich waschen.
- P 280 Wear protective gloves / protective clothing / eye protection / face protection.
Schutzhandschuhe / Schutzkleidung / Augenschutz / Gesichtsschutz tragen.
- P 301+310 IF SWALLOWED: Immediately call a POISON CENTER / doctor /
BEI VERSCHLUCKEN: Sofort GIFTINFORMATIONSZENTRUM / Arzt / ... anrufen.
- P 301+312 IF SWALLOWED: Call a POISON CENTER / doctor / ... / if you feel unwell.
BEI VERSCHLUCKEN: Bei Unwohlsein GIFTINFORMATIONSZENTRUM / Arzt / ... anrufen.
- P 330 Rinse mouth.
Mund ausspülen.
- P 331 Do NOT induce vomiting.
KEIN Erbrechen herbeiführen.
- P 342+311 If experiencing respiratory symptoms: Call a POISON CENTER / doctor / ...
Bei Symptomen der Atemwege: GIFTINFORMATIONSZENTRUM / Arzt / ... anrufen.

For further information please see Material Safety Data Sheets (www.mn-net.com).
Weiterführende Informationen finden Sie in den Sicherheitsdatenblättern (www.mn-net.com).

The symbol shown on labels refers to further safety information in this section.
Das auf Etiketten dargestellte Symbol weist auf weitere Sicherheitsinformationen dieses Kapitels hin.