

## DNA purification products from MACHEREY-NAGEL



*PCR clean-up and gel extraction*

*The superior 2 in 1 clean-up kit ...*

**NucleoSpin<sup>®</sup> Gel and PCR Clean-up**



**Two applications in one kit**

One buffer for both PCR clean-up and gel extraction

**High recovery for any fragment size**

Efficient purification of fragments down to 50 bp

**Binding buffer with pH indicator**

Easy visualization of correct binding conditions

**... a complete solution**

**MACHEREY-NAGEL**

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



*Since 1911*

# NucleoSpin® Gel and PCR Clean-up

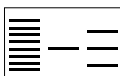
The superior 2 in 1 clean-up kit

## Product at a glance


Sample material	< 400 µL PCR reaction mix / < 400 mg TAE/TBE agarose gel
Fragment size	50 bp–20 kbp
Typical recovery	70–95 %
A <sub>260</sub> / A <sub>280</sub>	1.8–1.9
Elution volume	15–30 µL
Preparation time	10 min / 6 preps
Binding capacity	25 µg

## Procedure

**Agarose gel**




**PCR mix**



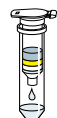
**Add Buffer NTI (with pH indicator)**

- Yellow color = correct conditions
- Green color = pH slightly too high, adjustment recommended\*
- Blue color = pH too high, adjustment recommended\*


**Binding**



**Washing**



**Elution**

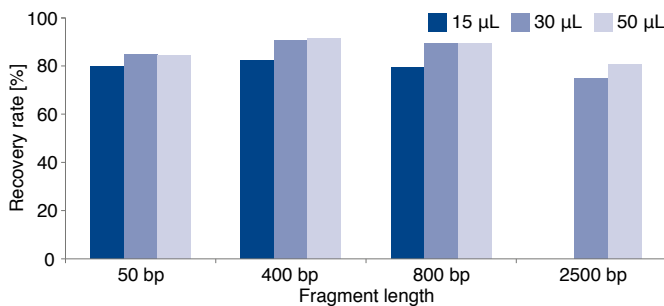


➔

**Optional binding buffers available:**

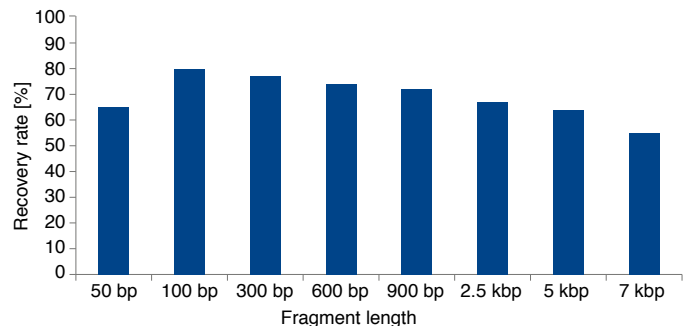
- Buffer NTC (ss DNA)
- Buffer NTB (SDS samples)

## Application data



### PCR clean-up: High recovery down to 50 bp

DNA fragments of different sizes were purified from standard PCR buffer using NucleoSpin® Gel and PCR Clean-up then eluted in different volumes (15 µL, 30 µL, 50 µL). DNA was analyzed and quantified by Agilent Bioanalyzer 2100.



### Gel extraction: High recovery in a wide range of fragment sizes

DNA fragments of different sizes were purified from 1 % TAE agarose gel by NucleoSpin® Gel and PCR Clean-up. DNA was analyzed and quantified by Agilent Bioanalyzer 2100. Fragments of 10 kbp to 20 kbp were recovered with a rate of 30–50 % (data not shown).

## Ordering information

Single prep (spin columns)	Preps	REF
<b>NucleoSpin® Gel and PCR Clean-up</b> Mini spin kit for PCR clean-up and gel extractions	10/50/250	740609.10/.50/.250

## Related products

Buffer	Vol.	REF
<b>Buffer NTC</b> Binding buffer for purification of single stranded DNA	100 mL	740654.100
<b>Buffer NTB</b> Binding buffer for DNA purification from SDS-containing samples	150 mL	740595.150

\* see user manual or contact MN Technical Support

Your local distributor

www.mn-net.com

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