

What's new from MACHEREY-NAGEL

New products, new possibilities

20%
OFF



Next level innovations for your lab

- ▷ Cutting edge solutions for preparatory scale plasmid DNA purification and RNA clean-up
- ▷ Automatable options with customizable protocols streamline sample prep
- ▷ Explore the latest advancements in DNA / RNA extraction

What's new? New products, new possibilities

MACHERY-NAGEL is dedicated to delivering innovative solutions that address common challenges in DNA and RNA purification workflows. The latest products include options for difficult sample materials, large-scale plasmid purification or RNA clean-up projects, and automated protocols designed to reduce hands-on time and enhance reproducibility. Discover what's new from MACHERY-NAGEL and see how we can support your lab's evolving needs!



Promotion products	Item no.	Preps	List price	Promotion price
Plasmid DNA purification				
NucleoMag® Plasmid	744750.1M	96	1.952 DKK	1.562 DKK
NucleoMag® Plasmid	744750.4M	384	6.715 DKK	5.372 DKK
NucleoMag® Clearing Beads	744751.1M	96	675 DKK	540 DKK
Preparatory scale plasmid purification and / or RNA clean-up				
NucleoBond® RS 10	743502M	5	4.022 DKK	3.217 DKK
NucleoBond® RS 50	743503M	1	3.861 DKK	3.089 DKK
NucleoBond® RS 100	743504M	1	7.329 DKK	5.863 DKK
NucleoBond® RS 200	743505M	1	12.952 DKK	10.362 DKK
RNA purification				
NucleoMag® RNA Blood	744352.1M	96	5.817 DKK	4.654 DKK
NucleoMag® RNA Blood	744352.4M	384	17.205 DKK	13.764 DKK
NucleoSpin® 96 RNA Plant & Fungi	740128.1M	96	4.636 DKK	3.709 DKK
NucleoSpin® 96 RNA Plant & Fungi	740128.4M	384	15.126 DKK	12.101 DKK
DNA purification				
NucleoMag® HMW DNA	744160.1M	96	3.408 DKK	2.726 DKK
NucleoBond® HMW DNA	740160.20M	20	1.933 DKK	1.547 DKK
NucleoSpin® Mycoplasma DNA	740860.50M	50	2.992 DKK	2.393 DKK
Viral RNA / DNA and bacterial DNA purification				
NucleoMag® VET Prefilled Plates	744209M	96	4.674 DKK	3.739 DKK
NucleoMag® Pathogen Prefilled Plates	744211M	96	5.061 DKK	4.049 DKK
Library prep, DNA / RNA clean-up				
NucleoMag® NGS Clean-up and Size Select	744970.50M	50 mL	6.148 DKK	4.918 DKK
NucleoMag® NGS Clean-up and Size Select	744970.500M	500 mL	42.672 DKK	34.138 DKK
Lysis reagent for direct PCR/qPCR				
NucleoType DirectLyse Reagent	743220M	500	2.160 DKK	1.728 DKK
Accessories				
MN Beads Starter Pack	740818M	12	922 DKK	738 DKK

Offer is valid from February 1, 2025 until March 31, 2025. Prices are in DKK excl. vat. Offer cannot be combined with any other discounts. We are not liable for typographical errors. Please state campaign code when ordering: **CM00449**

Supporting products for your workflow

Optimal purification for your NucleoMag®



The Magnetapure series provides automated nucleic acid purification in an open system for 16, 32, or 96 parallel magnetic bead purifications.

Purification of DNA, RNA, proteins and cells from a wide variety of samples such as blood, bacteria, tissue, body fluids and plants.

Easy programming to adapt your current magnetic beads or use one of the several already validated protocols are available.

MagnetaPure Mini
nucleic acid extraction system



Item no.: 531623

MagnetaPure 32 Plus
nucleic acid extraction system



Item no.: 255744

MagnetaPure 96
nucleic acid extraction system



Item no.: 255745

Optimal quality control of your samples



DS-Series instruments offer choices of 1µL UV-Vis, cuvette UV-Vis, and fluorescence modes. Explore our model offerings to find the perfect fit for your lab's quantification needs.

- Real-time optimization of every sample and no recalibration required
- Rapid DNA, RNA & protein quantification - widest dynamic range: 0.0005 – 37,500 ng/µL dsDNA
- Flexible export and connectivity - Wi-Fi, USB, email, ethernet and more

New
models

Demo
available



DS-11 FX+



DS-11 FX



DS-11+



DS-11



DS-8X



DS-7

	DS-11 FX+	DS-11 FX	DS-11+	DS-11	DS-8X	DS-7
1 µL UV-Vis Samples	✓	✓	✓	✓	✓ x 8	✓
Cuvette Absorbance	✓	-	✓	-	✓	✓
Fluorescence	✓	✓	Add On	Add On	Add On	Upgrade Required
Detection Limit (dsDNA)	0.0005 – 37,500 ng/µL	0.0005 – 37,500 ng/µL	0.75 – 37,500 ng/µL	0.75 – 37,500 ng/µL	2 – 11,000 ng/µL	2 – 15,000 ng/µL

Why is measuring OD600 important before plasmid purification?

Measuring OD600 ensures the correct amount of bacterial culture is used, avoiding issues like reduced plasmid yield caused by overloading or underloading purification columns.

While too few cells result in low yields, too many cells can:

- Lead to insufficient lysis
- Reduce plasmid DNA recovery
- Increase contaminants such as host proteins, genomic DNA, and RNA

Overloading disrupts the balance of lysis buffer to culture, diluting the buffer and causing incomplete lysis. Instead of some cells remaining intact while others are fully lysed, most cells are only partially lysed, significantly reducing plasmid yield.

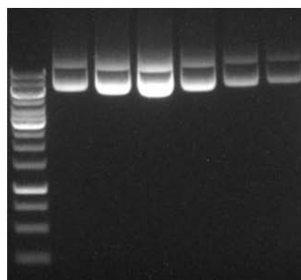
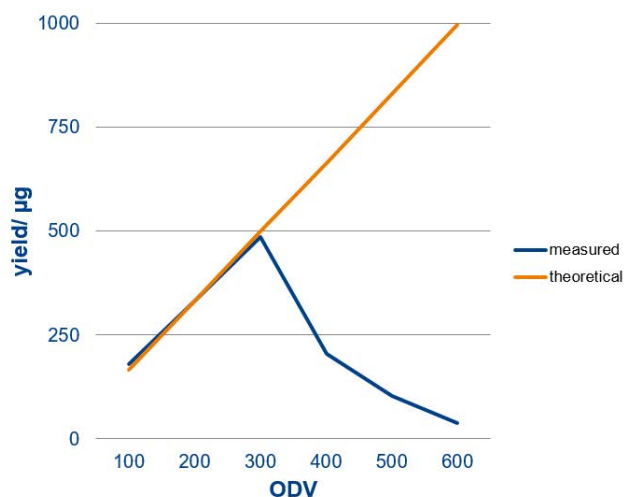


Figure 1: Excess cell input drastically reduces plasmid DNA yield (µg), as seen in the gel image. The misbalance between pelleted culture volume and OD600 leads to lower yields. The graph compares theoretical plasmid yield (orange) with actual purified yield (blue). ODV is calculated by multiplying OD600 (adjusted for dilution) by pelleted culture volume. For example, a 100 mL culture with OD600 of 3.5 (0.35 in 1:10 dilution) gives an ODV of $100 \times 3.5 = 350$.

Introducing the Implen OD600®

– Effortless OD600 Measurement

- Portable and Convenient: Battery-powered with direct touchscreen operation.
- User-Friendly Design: Intuitive interface for seamless use.
- Rapid Results: Quickly determine cell density at 600 nm up to 4 AU.
- Unmatched Compatibility: Works with cuvettes, reagent tubes (10, 12, 16, 18 mm), and Dilucell™, no adapters needed.
- Hygienic and Practical: Smooth, easy-to-clean glass surface, perfect for laminar flow or biosafety hoods.

List price: 1.900 DKK



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If you're unable to find the products you need, contact your local Product Specialists, who are ready to assist you in finding the best solutions for your research.

Our dedicated team of molecular biology specialists brings extensive experience from academia, pharma, and industry. We're here to discuss your specific needs and provide tailored support.

Your science - our focus



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