

Did you ever wish for faster large-scale plasmid purification...

## NucleoBond® Xtra Midi/Maxi

The new generation of anion exchangers



### Reduced prep time

- ✓ column filter allows parallel clearing of the lysate and loading onto the column
- ✓ high filter flow-rate and minimized risk of clogging due to large structured surface of column filter
- ✓ large column diameter + low silica resin bed = high column flow rates
- ✓ NucleoBond® Xtra Plus kits containing NucleoBond® Finalizer to speed up DNA precipitation
- ✓ up to 60% time saving

### Increased yields

- ✓ improved silica material with higher DNA binding capacity
- ✓ optimized buffer compositions
- ✓ typical yields: Midi 250 µg / Maxi 1000 µg
- ✓ up to 100% increased yields of transfection-grade plasmid DNA

### High purity

- ✓ no need to talk about downstream applications, it's a MACHERY-NAGEL anion exchanger of patented and well proven quality!

...start thinking about your Xtra free time!

# NucleoBond® Xtra Midi/Maxi

The new generation of anion exchangers

## Customer testimonial

"We have tested many of the market leaders in anion-exchange purification, and the MACHEREY-NAGEL NucleoBond® Xtra kits excel in ease of use, speed of preparation, yield and DNA quality."

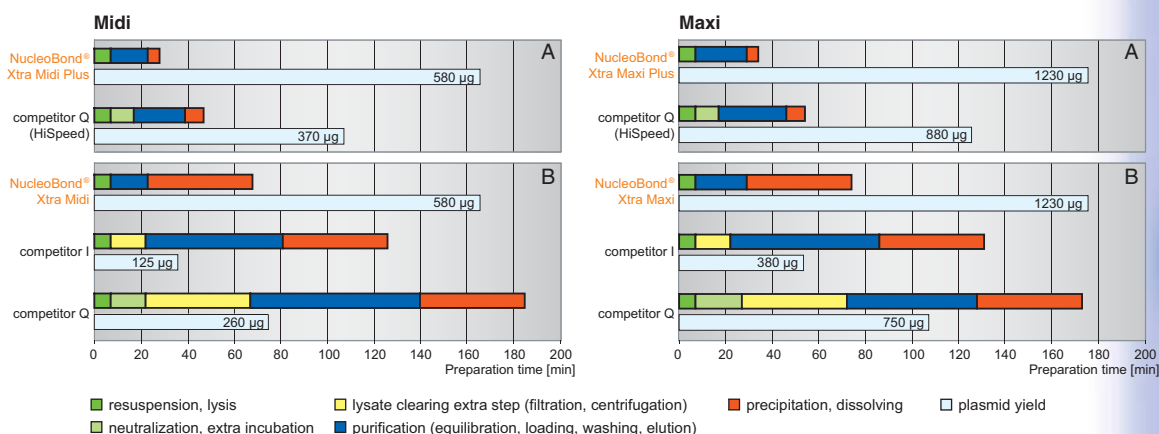
Enrique Saez, PhD, The Genomics Institute of the Novartis Research Foundation, San Diego, CA, USA

## Application data

### Fig. 1 Preparation time - plasmid yield - comparison to competitor anion-exchange based kits

Plasmid DNA was isolated following each manufacturer's protocol using the maximum culture volume with high plasmid content. Yield of plasmid DNA (□) was determined before DNA precipitation. The use of the desalting tool included in NucleoBond® Xtra Plus kits and competitor Q's HiSpeed kits leads to DNA recoveries up to 90% depending on elution volume. Comparison: A) Kits including desalting tool, B) Kits without desalting tool.

**NucleoBond® Xtra: Up to 60% time saving and up to 100% higher yields compared to competitor products**



### Tab. 1 Preparation time - plasmid yield - comparison to silica-membrane based kits

Plasmid DNA was isolated following each manufacturer's protocol using the maximum culture volume with high plasmid content. Yield of plasmid DNA was determined after elution from the column. The use of the desalting tool included in the NucleoBond® Xtra Plus kits leads to DNA recoveries up to 90% depending on elution volume.

**NucleoBond® Xtra also beats silica-membrane based kits in terms of yield and prep time... not to mention superior purity of plasmid DNA due to anion-exchange technology**

Kit	Plasmid yield [µg]	Preparation time [min]	Kit	Plasmid yield [µg]	Preparation time [min]
NucleoBond® Xtra Midi Plus	580	28	NucleoBond® Xtra Maxi Plus	1230	34
competitor S	300	37	competitor S	1130	40
competitor P	90	41			

## Ordering information

Product	Preps	Cat. No.
NucleoBond® Xtra Midi	10/50/100	740410.10/50/100
NucleoBond® Xtra Midi Plus including NucleoBond® Finalizer	10/50	740412.10/50
NucleoBond® Xtra Maxi	10/50/100	740414.10/50/100
NucleoBond® Xtra Maxi Plus including NucleoBond® Finalizer Large	10/50	740416.10/50
NucleoBond® Xtra combi rack holds up to 4 NucleoBond® Xtra Maxi columns and 6 NucleoBond® Xtra Midi columns		740415

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