PALL Laboratory

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AcroPrep™ Advance 96-Well Long Tip Filter Plate for Nucleic Acid Binding

Break out of the Box for Genomic DNA Purification

Description

Pall AcroPrep Advance 96-well Long Tip Filter Plate for Nucleic Acid Binding (Pall NAB plate) incorporates a silica-based quartz glass fiber media for efficient binding of DNA and RNA, while providing smooth flow and rapid processing of samples. This media offers researchers the flexibility to purify plasmid DNA (pDNA) from bacteria, and genomic DNA (gDNA) or total RNA samples from cell culture: a single plate for multiple applications. Reducing the chance of cross contamination is critical for reproducible quality results. Pall's new long tip plate minimizes hanging drop formation thus reducing the possibility of cross contamination. The Pall NAB plate is a multipurpose plate providing flexibility in applications, reduced risk of cross contamination, and smooth flow for sample processing.

1. **Economical** – Cost savings of up to 50%* over leading genomic DNA purification commercial kits.
2. **Flexible** – Single filter plate suitable for multiple applications and methods to fit your research needs.
3. **Sustainable** – No wasted reagents, purchase and use only what you need.

* Values are based on Pall Laboratory and leading competitor US 2016 published list prices

Applications

Genomic DNA Purification

- PCR
- RT-PCR (Real Time PCR)
- NGS (Next Generation Sequencing)

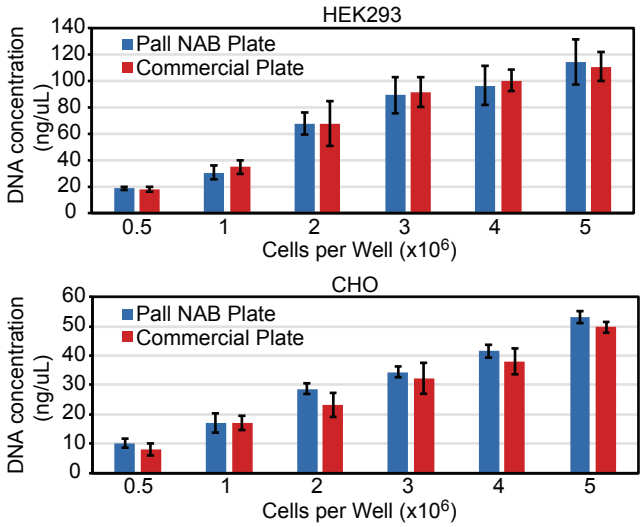
Maximum yields and quality of nucleic acid purification

- New outlet tip geometry provides direct flow of samples into receiver plate without concerns of cross contamination
- Silica-based quartz glass fiber media that allows efficient binding of plasmid DNA, genomic DNA, and RNA, while providing smooth flow and rapid processing of samples
- Manufactured in accordance with standard ANSI/SLAS guidelines, allowing the entire DNA purification process to be performed on automated equipment

The Pall NAB plate allows purification of genomic DNA (gDNA) from a variety of mammalian cell culture samples over a wide range of cell densities. The gDNA protocol can utilize commercially available reagents resulting in equivalent yields with reduced cost to purify gDNA from cell samples. The Pall NAB plate can be used efficiently in either a vacuum manifold or centrifuge with plate adaptor. Purified gDNA can be used effectively for downstream applications such as Next Generation Sequencing (NGS) and RT-PCR.

Figure 1

Genomic DNA isolation effiency in CHO and HEK293 cells using Pall NAB plate vs. competitor kit.



Genomic DNA isolation efficiency from freshly harvested HEK293 and CHO cells (top and bottom panels, respectively) is very similar for the Pall NAB plate (blue bars) and the commercial plate (red bars). Bars indicate an average of 8 samples. Error bars indicate standard deviation.

Ordering Information

AcroPrep Advance 96-Well Long Tip Filter Plate for Nucleic Acid Binding

Part Number	Description	Pkg
8133	Long Tip Filter Plate for Nucleic Acid Binding	5/pkg

Accessories and Replacement Parts

5017	Multi-well Plate Vacuum Manifold	1/pkg
5225	Adapter Collar for Centrifugation	2/pkg
5226	Adapter for PCR Receiver Plate	2/pkg
5230	Cap Mat for Incubation	5/pkg
8001	AcroPrep Advance Multi-well Plate Lids	10/pkg

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