PALL Laboratory

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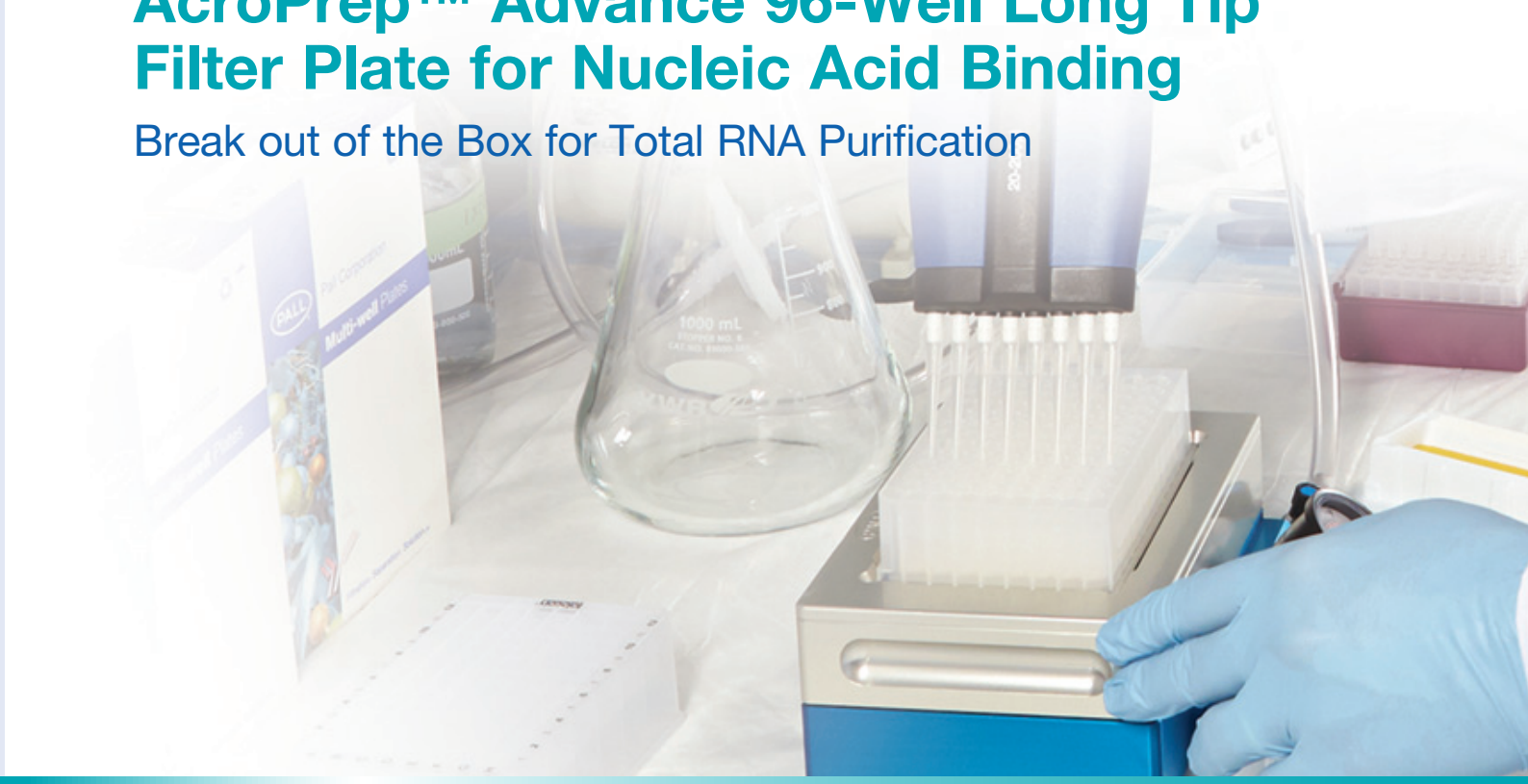
AcroPrep™ Advance 96-Well Long Tip Filter Plate for Nucleic Acid Binding

Break out of the Box for Total RNA Purification



Description

The 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 80%* over leading commercial plasmid DNA purification kits.
2. **Flexible** – Multipurpose filter plate suitable for multiple applications and methods to suit 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

Total RNA purification

- Real-time quantitative PCR (RT-qPCR)
- Microarrays
- cDNA library construction
- Northern blot analysis

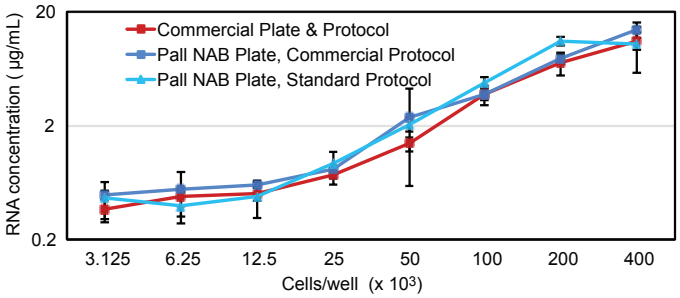
Maximum yields and quality of nucleic acid purification

- 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 purification process to be performed on automated equipment

The Pall NAB plate allows total RNA to be purified efficiently from mammalian cell culture samples using either commercially available reagents (from kit manufacturer or pre-prepared) or standard reagent components that can be readily obtained and prepared in house by the researcher. Purification of RNA both using commercial reagents and using standard reagents were evaluated against a leading commercial kit. Yield and quality of the RNA isolated with the Pall NAB plate using commercial or standard reagents were equal to or better than that of the leading commercial kit. The Pall NAB plate provides the high yield and quality of RNA critical for downstream applications including RT-qPCR at a fraction of the cost of commercial kits.

Figure 1

High yield of isolated RNA in commerical and standard reagents comparable to leading competitor



RNA concentrations of samples isolated from mouse bEnd.3 cells. RNA concentrations of samples isolated from 3.1 - 400 x 10^3 bEnd.3 cells were determined via Quant-iT RiboGreen◆ RNA assay. Samples were isolated with Pall NAB plate using either a commercial reagent protocol (blue squares) or a standard reagent protocol (blue triangles) or with a commercially available bundled plate/reagent kit (red squares).

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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