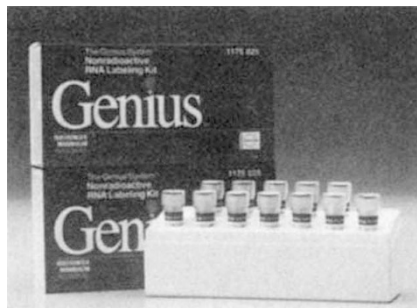


# BLOTTING AND HYBRIDIZATION TOOLS



## Non-Radioactive RNA Labeling

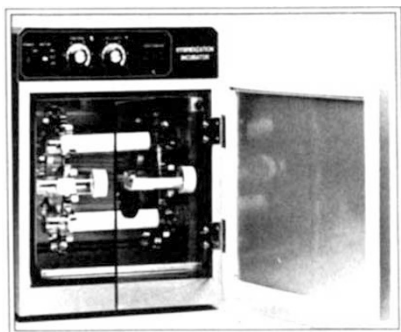
The Genius™ kit from Boehringer Mannheim Biochemicals (Indianapolis, IN) provides reagents for labeling RNA with the steroid hapten digoxigenin. RNA probes, labeled using SP6 or T7 polymerase-catalyzed *in vitro* transcription reactions, can be used in Northern, Southern, and *in situ* hybridizations.

*Write in 803 on Reader Service Card*

## Colorful Blot Detection

Vectastain® Elite ABC kits from Vector Laboratories (Burlingame, CA) give users a choice of brown, blue-black, blue, or red precipitates for detection of Western and Southern blots in a convenient peroxidase substrate kit format.

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## Membrane Rotisserie

As an alternative to bubble- and leak-prone plastic bags for holding samples during blotting procedures, Robbins Scientific (Sunnyvale, CA) offers a hybridization incubator. Membranes and hybridization solutions are contained within reusable glass tubes with PTFE-coated silicone rubber liners for a water-tight seal. The tubes rotate, rotisserie-style, inside a temperature-controlled chamber; a 6-rpm tri-directional rotator assures complete membrane wetting, thereby reducing the amount of probe required.

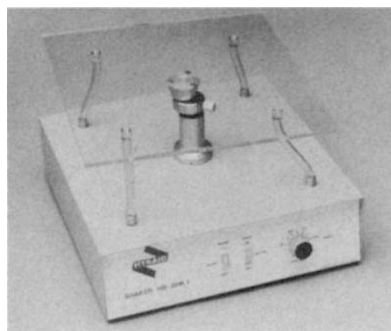
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## Supported Membrane

BA-S NC supported nitrocellulose membranes from Schleicher & Schuell (Keene, NH) combine the versatility of pure nitrocellulose with the strength of nylon. They are available in two pore diameters (0.2 and 0.45 μm) and a range of sizes.

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## Electro-Transfer

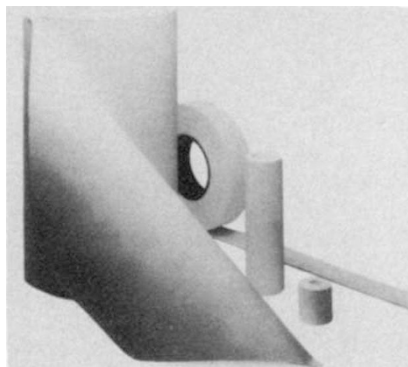
The new Milliblot-SDE from Millipore (Bedford, MA) completes electro-transfer of proteins from polyacrylamide gels onto membranes in 30 min. or less. The instrument maximizes contact between the electrode and the gel, ensuring optimal conductivity and consistent electrical flow. High currents eliminate gel browning or burning.

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## Gel Jacuzzi

The Hybaid Shaker is a platform that undulates in three dimensions to impart a gentle swirling action to liquids surrounding gels. The Hybaid (Teddington, U.K.) equipment, which comes with an antiskid mat, is suitable for staining and washing polyacrylamide gels, blots, and other solid supports that require liquid processing.

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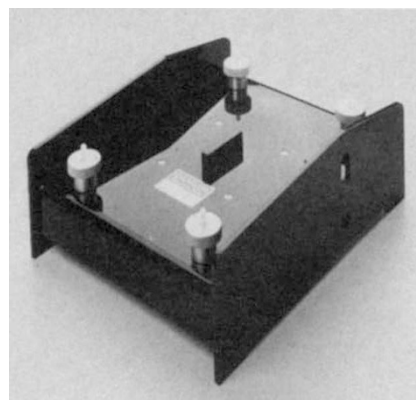


## Charged Membranes

Pall BioSupport's (East Hills, NY) solid phase supports include five ver-

sions of Nylon 66: Biodyne® A with a pH-dependent charge, positively charged Biodyne B, negatively charged Biodyne C, Immunodyne™ for covalent protein binding, and Lo-prodyne™ for low protein binding. Pall also offers a new line of modified PVDF membranes.

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## Semi-Dry Electroblotter

Owl Scientific Plastics (Cambridge, MA) announces the models HEP-1 and HEP-2 semi-dry electroblotters for protein and nucleic acid transfers in two hours or less. The units have platinum-titanium anodes and stainless steel cathodes. Also available is a dedicated power supply, the OSP-7, with a constant current (0–1,200 mA, 0–15 V) and digital display.

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