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MultiPROBE II Nucleic Acid Workstation



Reliable, High Quality Results for
**Genomic Analysis and
Drug Discovery**



Flexible automation for genomic research

Optimize your automation—no matter what application, no matter what purification kit. With PerkinElmer's MultiPROBE® II Nucleic Acid Workstation, you get the power to produce highly purified nucleic acid samples, ready for sequencing and analysis.

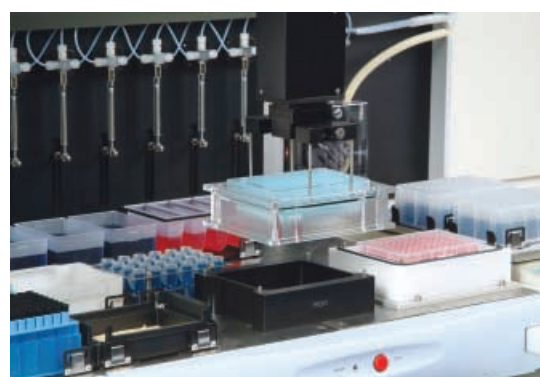
The MultiPROBE II Nucleic Acid Workstation offers the latest technology for automated nucleic acid preparation, performing extraction and purification protocols utilizing today's best separation technologies. With tools to accommodate both solid phase extraction and magnetic bead separation, this flexible workstation provides optimized solutions for the extraction and purification of genomic DNA and RNA, Plasmid DNA, and PCR and sequencing reaction setup and cleanup.

Maximum Flexibility for Nucleic Acid Processing

This Nucleic Acid Workstation is a complete system for automated nucleic acid preparation, providing a full set of tools from vacuum manifold assemblies or magnetic bead deck tiles to WinPREP® software templates and detailed Application Guides. This automated solution provides all the tools and technology needed to perform nucleic acid preparation using most industry standard kits, including:

- Promega Wizard® SV96 Genomic DNA Isolation Kit
- Promega Wizard SV96 Total RNA Isolation Kit
- Promega Wizard MagneSil™ Plasmid Purification System
- Qiagen QIAprep® Turbo Miniprep Kit
- Millipore Montage® Plasmid Miniprep₉₆ Kit
- Promega Wizard MagneSil PCR Clean-Up System
- Qiagen QIAquick® PCR Purification Kit
- Millipore Montage PCR₉₆ Cleanup Kit

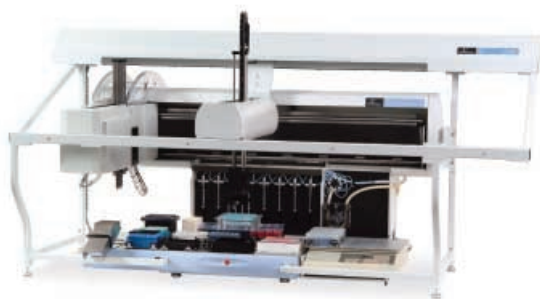
Please check our web site at www.perkinelmer.com/labautomation for an up-to-date list of the kits that may be used on this system.



The Right Tools to Give You Total Control

The MultiPROBE II PLUS from PerkinElmer is the gold standard for flexible liquid handling automation. With its unparalleled ability to access a wide range of labware and provide precision pipetting, the Nucleic Acid Workstation gives you the power to control throughput and performance for your laboratory with capabilities that include:

- The MultiPROBE II PLUS in either a 4-tip or 8-tip configuration to provide precise liquid handling.
- Optional Gripper™ Integration Platform for automated vacuum manifold assembly/disassembly and blotting of filter plates.
- Integrated microplate shaker for automated mixing of cell lysates and reactions.
- A vacuum control system and manifold to automate vacuum filtration methods.
- VersaTip® PLUS for switching between fixed and disposable tips within any single assay. Use disposable or filter tips for sample transfers and to prevent contamination.
- Detailed applications guides to aid in user setup, method customization, and troubleshooting.



MultiPROBE II PLUS with Gripper Integration Platform

Optimized Lab Productivity

By automating highly repetitive tasks in a consistent manner, the Nucleic Acid Workstation enables key personnel to spend less time on sample preparation and more time on data analysis and discovery.

Nucleic Acid Type	Typical Throughput*
Purification of Genomic DNA	≤40 minutes
Purification of Total RNA	≤45 minutes
Purification of Plasmid DNA	≤60 minutes
PCR Cleanup	≤30 minutes

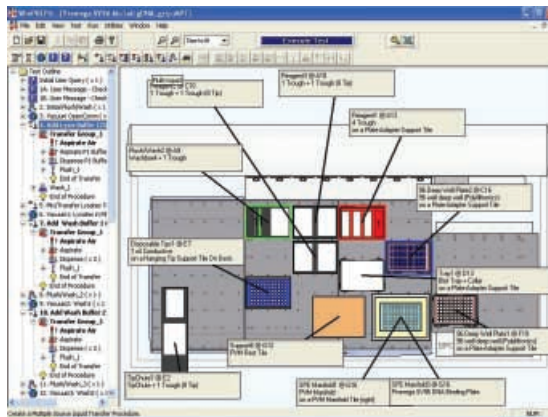
* Throughput times may vary depending on chemistries and vendor kit used.

- **Superior Quality**—Reproducible and reliable results are key for genetic analysis. Both the quantity and purity of the nucleic acid material produced is consistently high and ready for use in downstream analysis such as PCR, DNA sequencing and microarray production.

The use of disposable tips eliminates the potential of sample contamination. The Nucleic Acid Workstation includes various disposable tips to meet nucleic acid handling needs. The transfer of cell lysates during plasmid preparation can be accomplished with PerkinElmer's 1 mL Conductive Disposable Tips. In addition, filter tips are available for use during handling of DNA samples for sensitive applications such as PCR setup and cleanup.



- **Application Expertise**—WinPREP® software templates provide pre-formatted protocols for various nucleic acid preparation applications. These protocols have been optimized using best liquid handling practices to yield optimal results. Each template includes a complete User's Guide with step-by-step instructions for application setup and customization.



- **Total Flexibility**—The Nucleic Acid Workstation is designed to automate extraction and purification protocols utilizing both solid phase extraction and magnetic bead separation technologies in 96- or 384-well microplates for the following nucleic acid applications:
 - Extraction and purification of genomic DNA from both cultured cells and tissue samples
 - Extraction and purification of RNA from cultured cells
 - Plasmid DNA purification from bacterial cells
 - PCR setup and cleanup
 - DNA sequencing reaction setup and cleanup

Switching between applications is as easy as swapping out reagents. Various ancillary devices such as microplate readers, including the PerkinElmer VICTOR³, and thermal cyclers can be integrated with the Nucleic Acid Workstation to simplify your workflow.

- **Ready-to-Run Automation**—This workstation includes everything necessary to automate nucleic acid preparation including the MultiPROBE II PLUS Liquid Handling System, WinPREP automation software, pre-formatted nucleic acid templates and detailed User Guides for each nucleic acid purification kit.

Nucleic Acid Workstation is part of PerkinElmer's Applications Solution Family

PerkinElmer's applications-based automation solutions provide specialized tools for today's most demanding research. Systems utilizing the MultiPROBE II PLUS provide optimized processing for consistent, reproducible and high throughput results for nucleic acid processing, proteomics, forensics, cell-based and ELISA applications. This variety makes us a leader in sample preparation and processing solutions for research and production. Each workstation is backed by PerkinElmer's global network of world-class service and support.

For more information, call us at 1-800-762-4000 in the United States, at +32 2 717 7911 in Europe, or visit us online at www.perkinelmer.com/labautomation.

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