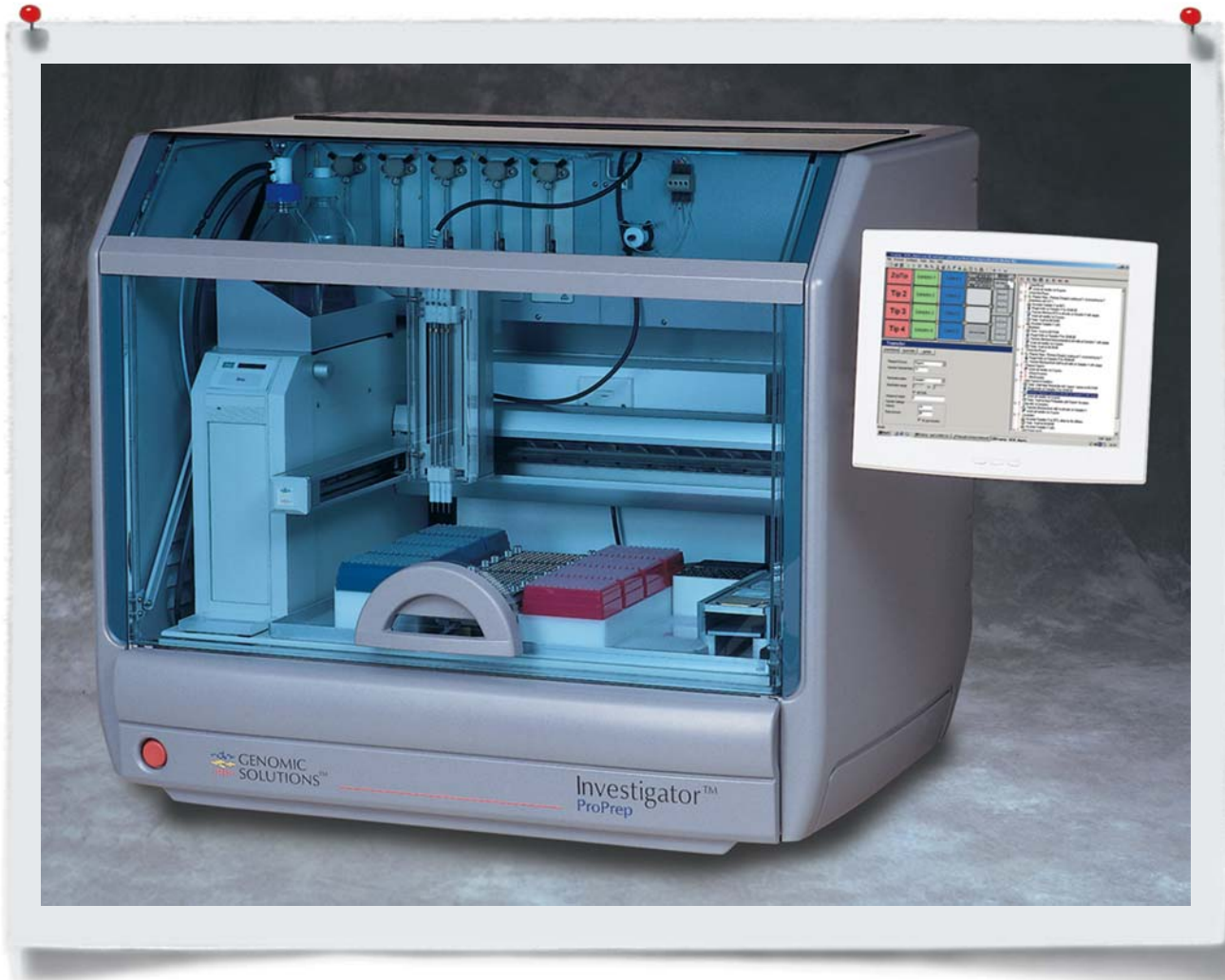


# ProPrep<sup>™</sup>

## Protein Digestion & Mass Spec Preparation System



Genomic Solutions, the leader in proteomic research automation, presents the ProPrep, a highly flexible instrument that goes far beyond just preparation for MALDI mass spectrometry.

The ProPrep automates sample handling, proteolytic digestion, and transfer to MALDI targets, microtitre plates and LC autosampler vials. The instrument contains pre-programmed protocols enabling you to spot to any given MALDI target with only a few mouse clicks. Simply select the appropriate target from the pull down menu of pre-programmed options and you're ready to go. The ProPrep can also deliver a portion of the peptide pools into 96 or 384 well plates or LC autosampler vials, thereby enabling LC/MS/MS as well as MALDI analysis. With the ProPrep, your lab has the freedom to explore new frontiers in research productivity.

### Key Benefits

- Patented flow through reaction block prevents cross contamination
- Select 1 to 8 blocks based on throughput needs
- HEPA filtered & fully enclosed - no keratin
- Pre-programmed spotting protocols for all MALDI targets

## Features of the ProPrep

### Efficient

- The fully automated Investigator ProPrep digestion and spotting system...
  - frees you from tedious, error-prone manual processes
  - enables more efficient use of expensive labor in pharmaceutical and private labs
  - provides uniformity in MALDI spotting and less variability to troubleshoot.
- Speed and throughput are excellent. Digestion-only capability is in the range of 1,536 plugs or more daily; digestion and MALDI spotting speed/throughput vary by protocol and choice of target.
- For use with in-gel and/or in-solution protein samples.

### Fast, Easy and Flexible

- The ProPrep is available in several variants. The choice of 1, 2, 3, 4 or 8 x 96 well reaction blocks enables you to achieve your perfect balance of cost and throughput.
- The Investigator ProPrep is easy and convenient to use!
  - A Microsoft® Windows® 2000 workstation is built into the unit. The side-mounted, 15-inch, flat screen LCD monitor is ergonomically positioned for excellent operator comfort and convenience.
  - Prewritten basic protocols and a complete set of consumables ensure fast start-up. You can select digestion, spotting, transfer to microtiter plates, or any combination of these options. System software enables easy protocol customization. In addition to the CD-ROM drive, the onboard PC also includes a built-in Ethernet 10/100 network connection for easy protocol sharing.
  - The ProPrep enables you to perform more than one type of digestion concurrently (*i.e.* in-gel digestion and in-solution digestion during the same run).
  - The ProPrep enables you to vary the number of input and output trays, reserve a portion of your digest for LC/MS and/or spot to MALDI targets from all major manufacturers.

### Contamination Free

- The ProPrep features a unique, patented flow-through reaction block that eliminates the need to aspirate from the wells, thus removing the risk of contacting gel plugs during reduction/alkylation or washing.
- The ProPrep provides a HEPA filtered processing environment, minimizing keratin contamination which so often plagues the digestion and spotting process.
- The ProPrep eliminates manual sample handling.
  - It automatically controls reaction tray temperature and reagent chilling. The five channel, liquid handling robot ensures excellent reproducibility.

## A Full Line of Proteomic Products for Your Lab.

Be sure to check out our comprehensive line of companion products, including...

- ...Investigator HT PC Analyzer & HT Analyzer 2-D Evolution Software
- ...ProGest™ Protein Digestion Station
- ...ProMS™ MALDI Preparation Station
- ...ProPic™ Gel Analysis and Excision System
- ...and the NEW ProPic II Gel Imaging and Picking System

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