GENOMIC SOLUTIONS®
A Harvard Bioscience Company

Proteomics
Protein Crystallization
Image Acquisition
2-D Analysis
Protein Picking
Protein Arraying
Protein Digestion
MALDI Preparation

ProPic™

Gel Imaging, Analysis, and Excision System

Key Benefits

- Fully integrated
- Completely enclosed
- Seamlesss integration with DIGE
- Pick up to 768 plugs in one run
- Ability to keep gel hydrated during extended pick runs
- Pick from backed & non-backed, 1D or 2D gels, small or large format gels

One of the main challenges facing proteomic laboratories is establishment of a strategy for high throughput proteome mapping, protein expression analysis, and elucidation of post-translational modifications. The need is for fast, robust and reliable tools to generate high-quality protein data. The **ProPic Robotic Workstation** from Genomic Solutions addresses this need by integrating three key processes: **high-resolution gel imaging, choices in image analysis with HT PC Analyzer Software and HT Analyzer 2-D Evolution, and protein spot cutting**. As a stand-alone instrument, the **ProPic represents a cost-effective and convenient solution for performing multiple functions** without the operational complexity encountered in multi-instrument imaging and picking systems. As a component of the fully integrated **Genomic Solutions Investigator Proteomic System**, it provides a seamless information stream for your proteomic research.

Investigator™ Proteomic Systems

ProPic™

Features of the ProPic

- **Image analysis**
  HT PC Analyzer Software and HT Analyzer 2-D Evolution streamline analysis of 2-D gels with a high degree of automation. 2-D gel analysis software supports both manual spot selection and automated database query selection.

- **Gel plug excision**
  Using gel hydration, cutting, and gentle vacuum extraction, the ProPic automates the excision from small to large-format acrylamide or Duracryl gels. By adjusting picking parameters through the easy to use software, proteins can also be picked from non-backed, plastic, or glass-backed gels.

- **Dispense spots to output plates**
  Excised gel plugs have a size of 1.8 mm and 2.5 mm, depending on picking tip. Plugs are dispensed into plates for direct transfer to the ProGest or ProPrep automated digestion robots.

- **Clean & Keratin Free**
  The ProPic's fully enclosed processing environment minimizes sample handling and the risk of keratin contamination.

- **High Throughput**
  The ProPic Robotic Workstation images and analyzes large format (up to 22 cm x 26 cm) gels, excises selected proteins and transfers to 96 well plates. There is space for up to 8 output plates, allowing unattended runs of up to 768 spots; thus freeing the laboratory personnel's time for other important tasks.

- **Application versatility**
  View and pick from a variety of stained gels (using SYPRO® Ruby and Pro-Q® stains) with UV light source; Silver and Coomassie® Blue-stained gels with white light source.

- **Seamless Integration with DIGE**
  Optional DIGE upgrade kit allows streamlined and integrated spot excision from 2D DIGE gels analyzed with DeCyder™ image analysis software.

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
...ProPrep™ Protein Digestion and Mass Spec Preparation Station
...and the NEW ProPic II Gel Imaging and Picking System

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The Genomic Solutions Family

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