

Investigator™ 2D Electrophoresis System

Instrumentation, IPG strips, pre-cast gels and reagents for large format 2D electrophoresis



Key Benefits

- Easy to use complete system
- High performance reproducible results
- Complete range of accessories
- High throughput

Two-dimensional gel electrophoresis is still arguably the **most powerful technique for resolving complex protein mixtures and the core separation technology for proteomic research.** The applications for 2D electrophoresis are numerous and include the **analysis of soluble proteins from biofluids, tissues, cells and organelles.** Protein characteristics that can be determined using this technique include the pI, molecular weight, number of sub-units, and possible isoforms.

The Investigator 2D System was designed to bring reproducibility to 2D gel electrophoresis. Variables such as temperature, pre-focusing and focusing algorithms, gel chemistry have been optimized and controlled for the highest quality, reproducible results.

2D Electrophoresis System

Key Features

Easy to Use Complete System

The Investigator 2D Electrophoresis System is a complete system that has been designed and engineered for ease of use and to provide reproducible results. The system comprises first and second dimensions, power supply, chiller, consumables and reagents.

High Performance Reproducible Results

Investigator apparatus includes a high performance Peltier chiller to maintain the running temperature between 15-20°C (Variation <0.5°C), ensuring reproducible migration and minimum spot diffusion. The dedicated power supply has been optimized for 2D electrophoresis. Immobilized pH Gradient (IPG) strips, pre-cast gels and all reagents are produced to highest possible standards to ensure high quality reproducible results.

High Throughput

The Investigator 2D gel system can run up to 10 IPG strips or large format gels.

Complete Range of Accessories

The following accessories complete the Investigator 2D electrophoresis portfolio:

- Tube gels
- IPG strips
- Duracryl™ gel strengthening reagent
- Range of large format pre-cast gels
- 1D and 2D casting and running buffers
- 2D molecular weight markers
- Protein staining kits
- Ultra pure chemicals



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