Thermo Fisher SCIENTIFIC

Electrophoresis

E-Gel precast gel electrophoresis systems

Innovative, fast, and bufferless

invitrogen

Evolve your workflow with E-Gel Power Snap electrophoresis systems

The Invitrogen™ E-Gel™ Power Snap Electrophoresis System and E-Gel™ Power Snap Plus Electrophoresis System are upgrades over the traditional workflow of casting gels, making buffers, and watching gels run. These integrated, compact systems for running precast agarose gels and imaging them are designed to maximize time savings and convenience. E-Gel Power Snap electrophoresis systems simplify the workflow to three safer, faster steps.

Highly reproducible results in as little as 10 minutes with 3 easy steps:

1. **Load**—No need to mix and pour the gels. Precast Invitrogen™ E-Gel™ cassettes contain the gel, the buffer, and a DNA stain. Reduce gel pouring errors and exposure to hazardous chemicals like ethidium bromide.
2. **Run**—Select a preprogrammed protocol on the intuitive touchscreen.
3. **Analyze**—View results in real time using the camera. Print and transfer results via the Thermo Fisher™ Connect Platform or USB for further analysis.

	E-Gel Power Snap Plus Electrophoresis System	E-Gel Power Snap Electrophoresis System
	 Cloud-enabled	
E-Gel agarose gel compatibility	11, 22, 48, and 96 wells,* Invitrogen™ E-Gel™ CloneWell™ II and Invitrogen™ E-Gel™ SizeSelect™ II gels with adapter	11 and 22 wells, E-Gel CloneWell II and E-Gel SizeSelect II gels
Built-in blue light transilluminator for safer operation	Yes	Yes
Amber filter for real-time monitoring	Yes	Yes
Camera resolution	13 MP	3 MP
Image storage	64 GB	32 GB
Cloud-enabled	Yes	No
Compatible with Invitrogen™ iBright™ Analysis Software	Yes	No
Touchscreen with intuitive user interface	Yes	Yes
Dimensions of instrument (L x W x H)	29.1 x 22.0 x 10.1 cm	24.0 x 13.0 x 7.0 cm
Dimensions of camera (L x W x H)	23.3 x 21.0 x 22.8 cm	26.0 x 13.0 x 15.0 cm
Printer-compatible	Yes	No

* Contains additional wells for marker lanes.

E-Gel Power Snap Plus Electrophoresis System

Ultimate convenience and flexibility for all your electrophoresis needs

The E-Gel Power Snap Plus Electrophoresis System is the only system with the ability to run, visualize, and image all on a single, fully integrated device, delivering high-resolution images and the flexibility to run a few or up to 96 samples per run. Real-time visualization, flexible throughput, and easy analysis make the E-Gel Power Snap Plus system adaptable to any workflow.

Explore the 3D tour >>

Simple and fast operation with preset protocols, intuitive user interface, and no gel monitoring

Easily read results with on-instrument deconvolution and analysis for Invitrogen™ E-Gel™ 96-well gels

Save space—system is six times smaller than conventional gel documentation systems

11- to 22-well adapter—conveniently stored in an onboard drawer for runs with smaller sample volume

Print directly from the device to compatible printers

Export and store images to internal servers or the Connect Platform

E-Gel Power Snap Plus Electrophoresis System

Convenient size and modularity

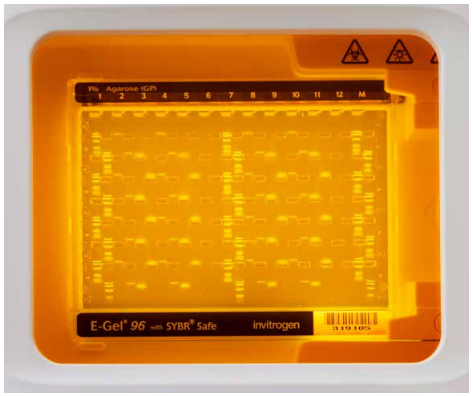
The small size of the E-Gel Power Snap Plus system allows it to be placed on a workbench—no need for dedicated rooms or labs. Additionally, the same camera unit can be used with multiple devices.

Print directly to compatible printers

Connect the E-Gel Power Snap Plus system to compatible thermal printers for quick lab notebook prints.

View all benefits of the E-Gel Power Snap Plus Electrophoresis System:

Stream how-to videos >>



Safety for you and your samples

The blue light transilluminator will not damage DNA samples. View the progress of experiments in real time.

E-Gel Power Snap Plus Electrophoresis System

Easily export images for analysis

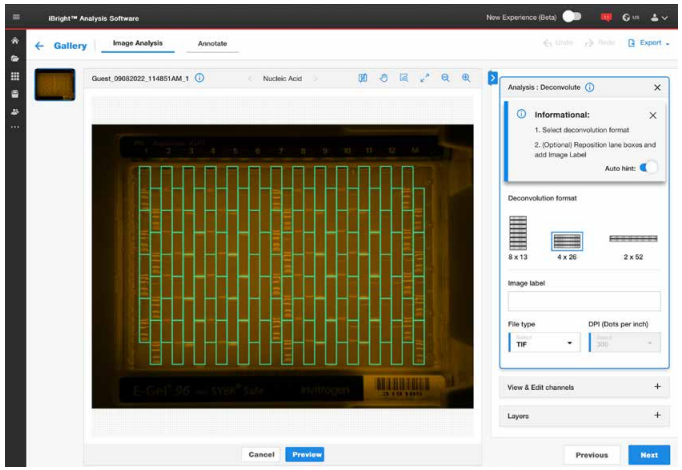
Connect the E-Gel Power Snap Plus system to internal servers or the Connect Platform using a wired or wireless connection and export them in the format you need.

Confidently analyze results using iBright Analysis Software

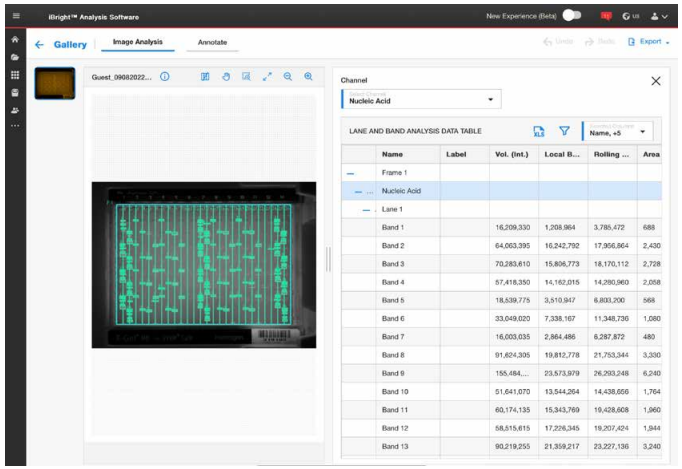
The instrument can export images in a format (G2i) that is compatible with advanced analysis using iBright Analysis Software.

- Enables background-corrected intensity analysis of any E-Gel gel
- Deconvolution functionality allows the user to align the lanes and clearly read the results

iBright Analysis Software is available on the Connect Platform as a free download.



96-well gel deconvolution using iBright Analysis Software on the Connect Platform



Band intensity quantification using iBright Analysis Software on the Connect Platform

Did you know?

The Connect Platform offers 1 terabyte of free storage for experiments.
Thermo Fisher Connect Platform | Explore and download at thermofisher.com/connect

E-Gel Power Snap Electrophoresis System

Convenient, integrated solution for routine electrophoresis

For labs planning to run 22 samples or fewer per run, the E-Gel Power Snap Electrophoresis System provides DNA electrophoresis and gel imaging all in one instrument. Like the Power Snap Plus model, you can run gels and capture images with dry E-Gel precast agarose gels, eliminating the tedious tasks of making buffers and pouring hot agarose.

Key features:

- **Save bench space**—compact, modular design
- **Fast results**—intuitive interface with preprogrammed protocols and convenient E-Gel precast gels
- **Stay safe**—blue light transilluminator won't damage your samples

Request a demo at **thermofisher.com/powersnap**.

E-Gel precast agarose gels for DNA and RNA electrophoresis

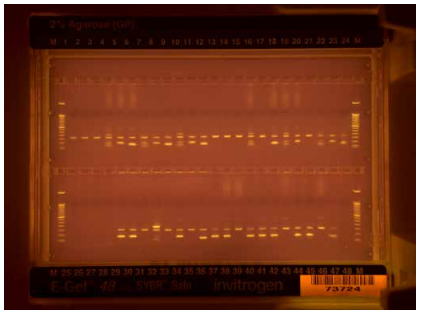
Designed for use with E-Gel Power Snap systems, E-Gel precast gels are self-contained and ready to use, with agarose, electrodes, and DNA stains (Invitrogen™ SYBR™ Safe or SYBR™ Gold gel stains). They are packaged inside a disposable, UV-transparent cassette and can be used to analyze both DNA and RNA.* Just load samples and run.

- **Fast**—get results quickly (in as little as 10 minutes)
- **Versatile**—fit for many applications with a variety of formats and percentages (0.8–4.0%)
- **Safe**—safer for users and samples with E-Gel gels with SYBR Safe stains
- **Sensitive**—get both sensitivity and speed with Invitrogen™ E-Gel™ EX gels

Performing cloning or next-generation sequencing (NGS)?

Purifying DNA bands from agarose is tedious and inefficient. E-Gel CloneWell II and E-Gel SizeSelect II agarose gels feature double rows of wells. With the E-Gel system, you can watch a band of interest migrate. Once it has entered the capture well, add the buffer. Simply pipette out the band of interest without cutting or melting agarose.

Find the right E-Gel gels and ladders for your application. Go to **thermofisher.com/egelselection** to view our selection guide.



Example of PCR product analysis on E-Gel 48-well gel with SYBR Safe stain

* E-Gel EX precast gels.

E-Gel Power Snap system starter kits

Invitrogen™ E-Gel™ Power Snap system starter kits include all the components you need to start performing nucleic acid separation, analysis, and purification.

The starter kits include:

- An E-Gel Power Snap electrophoresis device
- **The E-Gel camera (optional)**—the convenience of rapid, real-time nucleic acid analysis with high-resolution image capture
- **E-Gel precast cassettes**—help minimize time-consuming and messy prep work and be ready to go on day one

Visit thermofisher.com/powersnapplus to select the best starter kit for your lab.

Maintain productivity with extended warranties for the E-Gel Power Snap Plus device and camera

Rapid Exchange (REX) one-year extended warranties are available (at an additional charge) for both the E-Gel Power Snap Plus device and camera. If your instrument needs repair, just call our support center and we will exchange your instrument for a factory-certified, refurbished replacement instrument within one business day from the time we determine a replacement is required. Replacement instruments are typically received within three days of shipment and are yours to keep. All parts, labor, and shipping charges are included, and existing warranty contracts will be transferred to replacement units.

Ready to evolve your workflow? Explore more at **thermofisher.com/e-gels**