E-Gel[™] Power Snap Plus Camera

QUICK REFERENCE

Pub. No. 100105465 Rev. B

Contents Catalog Number G9200

Components	Amount
E-Gel [™] Power Snap Plus Camera	1 each



Product description

- The Invitrogen[™] E-Gel[™] Power Snap Plus Camera is designed for effortless image capture and documentation of pre-cast E-Gel[™] agarose gels and E-PAGE[™] gels when used with the E-Gel[™] Power Snap Plus Electrophoresis Device.
- The cable-free camera fits seamlessly with the electrophoresis unit to enable image capture during a run without the need to interrupt the workflow.
- High-resolution images are digitally captured without the need for focusing or adjustment.

Required materials

- E-Gel[™] Power Snap Electrophoresis Device (Cat. No. G9100)
- USB memory device
- (Optional) Cat 5 Ethernet cable or USB-enabled wi-fi module

Important guidelines

- The E-Gel[™] Power Snap plus Camera displays a still image in real time gel view mode to avoid over-heating, however, samples will continue to migrate. Pause the gel before viewing, if it is necessary to capture images of bands that have migrated a specific distance on the gel.
- Still images refresh when the exposure controls are used.
- Use the E-Gel[™] Imager with the E-Gel[™] UV light base or other UV transilluminator for viewing E-Gel[™] agarose gels with ethidium bromide. The blue-light transilluminator does not provide the optimal excitation spectrum for viewing ethidium bromide stained gels.



- Visit our product pages for protocols, safety, and additional product information.
- Go online to view related E-Gel[™] products.
 - For support, visit thermofisher.com/support.

Instrument setup

- 1. Remove rubber connector plug.
- 2. Gently place the E-Gel[™] Power Snap Plus Camera on the electrophoresis device with the camera and docking connectors aligned, then lower the camera into place.
- 3. The camera screen will briefly display a welcome screen, which will change to the home screen when it is ready for use.



Touch screen controls

Symbol	Function	Symbol	Function
	Return to Home screen		Capture image
٨	Go to Settings screen	\bigcirc	Turn on/off blue light transillumination.
	Return to previous screen		Access image gallery.
×	Exit screen		Log in to user account

Important licensing information

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First time camera setup (Administrator only)

Create a user profile

The first user profile created on the camera is automatically assigned as an Administrator profile.

- 1. Select **a** > **Get started** > **Create profile**.
- 2. Select user name.
- 3. Set and confirm PIN.

Set date and time

Set the date and time on the camera upon first use.

- 1. Select 😟 > Instrument Settings.
- 2. Select Date&Time.
- 3. Set the **Time Zone**, **Date**, and **Time**, then select **Done**.

Set cloud region

The first time the instrument is connected to the Thermo Fisher[™] Connect account the user will be promted to select a cloud region.

1. Select the appropriate **Cloud region** appropriate region for your instrument.

(Optional) Connect the instrument to the Internet

The instrument supports connectivity to the Internet through either an Ethernet port, or a USB-enabled Wi-Fi adapter (Windows 10 compatible).

Update firmware (Administrator only)

- 1. Insert the USB memory device with the new firmware in the dedicated USB port on the rear of the camera.
- 2. Select **Settings** > **Updates**.
- 3. Select Yes to start the upgrade.

Feature	Function			
Instrument settings				
About instrument	 See camera information View/export End User License Agreement (EULA) View/update firmware version* 			
Name*	Change camera name			
Date&Time*	 Set time zone Set date and date format Set time and time format 			
Brightness*	Adjust touch screen brightness			
Sleep mode*	Turn sleep mode on/offSet time to enter sleep mode			
Network Configuration*	 Connect network by wire Connect network by wi-fi 			
File Name Convention	Assign default attributes to image file name			
Cloud region*	Set cloud region			
Maintenance & services				
Software updates*	Update firmware			
Export instrument Log*	Export usage information from camera to USB drive			
Restore Factory Settings*	Restore original camera settings			
View gel				
Live view	Capture, edit, or export imageSet camera exposure			
Gallery				
Thumbnail/List view	 View, filter, export, or delete images Deconvolute image (E-Gel 96) 			

* Function available to Administrator profiles only



Image capture protocol

This protocol describes how to use the E-Gel[™] Power Snap Plus Camera to capture images of E-Gel[™] agarose gels. For detailed instructions see the E-Gel[™] Power Snap Plus Electrophoresis System User Guide at thermofisher.com or contact Technical Support.

	Step	Action
1	View gel	 a. Select View Gel on the touch screen to visualize the current gel run. b. Adjust exposure settings if necessary.
2	Capture image	 a. Select Capture to save the gel image to the Gallery. b. (<i>Optional</i>) Select Edit to adjust image properites. c. Select Done.
3	Export image	 a. (<i>Optional</i>) Insert a USB memory device to the camera. b. Select a destination to save the file (USB memory device, network drive, cloud storage). c. Select Export to export the gel image from the live view.
4	Export from Gallery	 a. Insert a USB memory drive to the camera. b. Select Gallery. c. Select the image file(s) to be exported. d. (<i>Optional</i>) Select Edit to adjust image properites. e. Select Export > Export.

Run gel protocol

This protocol describes how to use the E-Gel[™] Power Snap Plus Camera to run a gel protocol. See the E-Gel[™] Power Snap Plus Electrophoresis Device Quick Reference (Pub. No. 100105462) for instructions on how to prepare the gel and samples.

	Step	Action
1	Insert gel	 a. Prepare gel cassette. b. Insert the gel cassette into the E-Gel[™] Power Snap Plus Electrophoresis Device. c. Load samples and markers.
2	Run protocol	 a. Select Set up run. b. Select the Category and Type corresponding to the E-Gel[™] cassette in the device. c. Adjust run time duration if necessary, then select Start run.