

Invitrogen™

E-Gel™ Double Comb Agarose Gels with SYBR™ Safe DNA Gel Stain, 2%

Catalog number: A42348**Technical Support** | **Customer Service****Catalog Number****A42348****Unit Size****10 gels****Price (EUR)****Contact Us ›****Save to list****Catalog Number****A42390**

[Save to list](#)**Catalog Number****A44884****Unit Size****5 x 10 gels****Price (EUR)****Contact Us ›**[Save to list](#)**Product Overview**[Documents](#)[FAQ](#)

Invitrogen E-Gel Double Comb Agarose Gels with SYBR Safe DNA Gel Stain are designed for fast, convenient, and less-hazardous DNA sample electrophoresis. Each E-Gel Double Comb gel cassette contains all components and stain required for efficient gel separation and analysis—just load your samples and run. E-Gel Double Comb gels are ideal for analyzing PCR products, restriction digests, plasmid preparations, and genotyping samples.

Features of E-Gel Double Comb Agarose Gels include:

- **Instantaneous setup**—ready for use when you are and no gel preparation or additional buffers required
- **Less-hazardous choice**—contains SYBR Safe DNA stain, a less-hazardous alternative to ethidium bromide
- **High performance**—detect 3 ng of sample DNA with a separation time as short as 13–15 minutes
- **In-process control**—view DNA sample migration in real time
- **Easy sample access**—openable cassette design allows easy in-gel access for convenient DNA sample excision or transfer to membranes
- **Better sample integrity**—exploits blue-light excitation wavelength to minimize DNA damage, as opposed to UV

is hazardous option

Fast and convenient analysis

E-Gel agarose gels enable fast and high-performance analysis with a detection sensitivity of 3 ng of sample DNA per band and a separation time 2–3 fold faster than that of conventional pour-your-own gels. Each E-Gel Double Comb gel contains agarose, electrodes, SYBR Safe DNA stain, and a buffer-less ion exchange system packaged inside a dry disposable cassette. E-Gel technology does not require any gel or buffer preparation or gel staining steps. Just load your samples and run.

Live monitoring of DNA migration

E-Gel Double Comb gels include SYBR Safe DNA Gel Stain, which has an excitation wavelength in the blue-light spectrum. When used on the E-Gel Power Snap Electrophoresis Device with integrated blue-light trans-illuminator, the gels enable less hazardous real-time monitoring of DNA migration without risk to the eyes or risk of damaging the sample, as opposed to UV visualization.

Easy access to the gel

E-Gel Double Comb cassettes are designed for convenient opening with a Gel Knife (Cat. No. EI9010), so that the gel inside can be accessed readily for excision of specific bands or transferred to a membrane for southern blot analysis.

Nucleic acid markers

[Learn more about our E-Gel DNA ladders ›](#)

Running and imaging devices

E-Gel Double Comb gels require the E-Gel Power Snap Electrophoresis System for gel running and viewing. The system consists of an electrophoresis device and a camera for fast and convenient E-Gel agarose gel separation and analysis.

[Learn more about the E-Gel Power Snap Electrophoresis System ›](#)

Available in a variety of gel formats

E-Gel agarose gels are available in variety of gel percentage, stain, and well formats. The 22-well E-Gel Double Comb gels with SYBR Safe stain are available in 1% and 2% gel percentages. [E-Gel agarose gel selection guide](#)

For Research Use Only. Not for use in diagnostic procedures.

Specifications

Compatible Ladders

E-Gel™ 1 Kb Plus Express Ladder



Gel Type

Product Type Specs

Agarose Gel

Separation Range

50 bp to 2 kb

Stain Type

SYBR™ Safe

Wells

22-well

Green Features

Less hazardous, Less waste, fewer resources used

Quantity

10 Gels

Well Design

Double Comb

Contents & Storage

- Each box contains 10 gels

Store strictly at room temperature. Do not freeze.

Avoid cold spots near freezers or other uncontrolled environments.

Documents & Downloads

Certificates

Search by lot number or partial lot number

**Search****Lot #****Certificate Type****Date****Catalog Number(s)****YS100523-01**Certificates of
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Safety Data Sheets

[SDS](#)

Product Information

Manuals



[Quick Reference: E-Gel Power Snap Electrophoresis Device](#)



[User Guide: E-Gel Power Snap Electrophoresis System](#)

Scientific Resources

Flyers



Frequently asked questions (FAQs)

Can I use double comb E-Gel EX agarose gels or E-Gel agarose gels with SYBR Safe stain for RNA analysis? Answer +

How can I adjust the voltage on the E-Gel Power Snap Electrophoresis Device? Answer +

I can't see any of my bands on my E-Gel agarose gel when I turn on the blue light. What should I do? Answer +

Is E-Gel software compatible with Windows 10? Answer +

How should I dispose of SYBR Safe DNA Gel Stain and E-Gels containing SYBR Safe DNA Gel Stain? Answer +

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