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Invitrogen™

E-Gel™ Agarose Gels with SYBR™ Safe DNA Gel Stain

Invitrogen E-Gel precast agarose gels with SYBR Safe DNA gel stain are designed for fast, convenient, and safe DNA sample electrophoresis.

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Gel Percentage:

- 4%**
- 1%
- 2%

Separation Range: [View all](#)

10 to 500 bp

Quantity: [View all](#)

- 10 Gels**
- 2 x 10 Gels

Catalog number A42136

Price (EUR) / Each

-

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Gel Percentage:

4%

Separation Range:

10 to 500 bp

Invitrogen E-Gel precast agarose gels with SYBR Safe DNA gel stain are designed for fast, convenient, and safe DNA sample electrophoresis. Each E-Gel agarose gel cassette contains all components and stain required for efficient gel separation and analysis—just load your samples and run. E-Gel agarose gels are ideal for analyzing PCR products, restriction digests, plasmid preparations, and DNA fragment libraries.

Features of E-Gel agarose gels include:

- **Instantaneous setup**—ready for use when you are and no gel preparation or additional buffers required
- **Safer choice**—contains SYBR Safe DNA stain, a safer alternative to ethidium bromide
- **High performance**—detect 3 ng of sample DNA with a separation time as short as ~30 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

Safer option

Choose SYBR Safe DNA stained gels to minimize exposure to hazardous and mutagenic factors such as ethidium bromide and UV. Precast E-Gel agarose gels with SYBR Safe, in combination with blue-light trans-illumination, offer better sample integrity and a safer work environment.

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 agarose 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.

Product Overview

[Documents](#)
[FAQ](#)

E-Gel agarose gels are pre-stained with 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, safe real-time monitoring of DNA migration is enabled without risk to the eyes or sample, as opposed to UV.

Easy access to the gel

The E-Gel 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.

Running and imaging devices

E-Gel agarose 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.

Available in a variety of gel formats

E-Gel agarose gels are available in variety of gel percentage, stain, and well formats. The 11-well E-Gel agarose gels with SYBR Safe are available in 1%, 2%, and 4% gel percentages.

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

Specifications

Compatible Ladders

E-Gel™ Ultra Low Range DNA Ladder

Gel Percentage

4%

Gel Type

E-Gel

Product Type

Agarose Gel

Separation Range

10 to 500 bp

Green Features	Less hazardous
Quantity	10 Gels
Shipping Condition	Room Temperature
Unit Size	Each

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

Lot #	Certificate Type	Date	Catalog Number(s)
 AS081024-01	Certificate of Analysis	Oct 13, 2024	A42100
 BS300924-01	Certificate of Analysis	Oct 06, 2024	A42135
 AS011024-01	Certificate of Analysis	Oct 06, 2024	A42100
 BS260924-01	Certificate of Analysis	Sep 30, 2024	A42135
 AS250924-02	Certificate of Analysis	Sep 29, 2024	A42100

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Safety Data Sheets



Product Information