

4% E-Gel[®] 48 gels increase throughput options

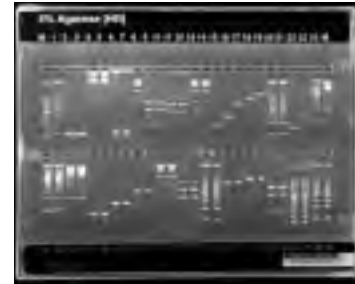


Thank you for ordering E-Gel[®] bufferless, pre-cast agarose gels that make agarose electrophoresis as easy as Plug & Play. The new 4% E-Gel[®] 48 gels are designed for fast, convenient, and reliable medium-throughput electrophoresis of DNA fragments and PCR products less than 400 bp.

With 4% E-Gel[®] 48 gels, DNA analysis is:

- **Fast**—Analyze 48 samples on one gel in just 20 minutes
- **Convenient**—No more difficult-to-prepare gels or buffer to make
- **Reliable**—Obtain highly-resolved, sharp bands, and low background with every gel

Clear resolution on the E-Gel[®] 48 4% agarose gel



The gel contains the following samples:

Column	Sample
1, 20, 21, 38, 39, 48, M (lower right)	25 bp DNA Ladder (0.5 µg/well)
2, 3	Synthetic 21 mer siRNA (short interfering RNA, 100 ng/well)
4, 5	Undiced dsRNA (100 ng/well)
6, 7	dsRNA diced (cut) with Dicer enzyme (100 ng/well)
8, 13, 14, 34, 35	E-Gel [®] Low Range Quantitative DNA Ladder (10 µl/well)
9, 10, 44, 45	PCR product Hinf I cut
11, 12, 36, 37	PCR product Aat II cut
15, 28, 29	PCR product, 40 bp (100 ng/well)
16, 30, 31	PCR product, 72 bp (100 ng/well)
17, 32, 33	PCR product, 150 bp (100 ng/well)
18, 40, 41	PCR product, 240 bp (100 ng/well)
19, 42, 43	PCR product, 317 bp (100 ng/well)
22	ssDNA, 60 mer (200 ng/well)
23	ssDNA (lane 22) annealed to form dsDNA, 60 bp (100 ng/well)
24, 25, M (lower left)	50 bp DNA Ladder (0.5 µg/well)
26, 27, M (upper right)	100 bp DNA Ladder (0.5 µg/well)
46, 47, M (upper left)	10 bp DNA Ladder (1 µg/well)

Plug & Play convenience in a 48-well gel format

Just like the original E-Gel® cassette, the 4% E-Gel® 48 gel is a self-contained, complete electrophoresis system that includes agarose, ethidium bromide, and electrodes all packaged inside a disposable UV-transparent cassette. Gels contain two rows each with 24 sample wells and 2 marker wells spaced 3.2 cm apart for maximum separation range. For convenient loading and throughput options, E-Gel® 48 gels are compatible with standard 8- or 12- multichannel pipettors, and most robotic liquid-handling systems. E-Gel® 48 gels run in the E-Gel® 96 mother/daughter base combinations for a **Plug & Play** operation.

Loading an E-Gel® 48 gel on the E-Gel® 96 mother base



Easy, medium-throughput analysis

Stop pouring messy high-percentage agarose gels and get the throughput you need with 4% E-Gel® 48 gels. You'll get the ease of use and reliability you're already familiar with from using the original E-Gels and save yourself hours of time. Call and order today.

Product	Quantity	Cat. no.
E-Gel® 48 4% agarose gels	8 gels	G8008-04
E-Gel® 96 mother base	1 base	G7100-01
E-Gel® 96 daughter base	1 base	G7200-01



1600 Faraday Avenue Carlsbad, CA 92008
P: 800 955 6288 F: 760 602 6500 www.invitrogen.com