



Latitude™ Midigels

Versatile Medium-sized Precast Gels

Latitude™ Precast Agarose Midigels are designed for high sample throughput DNA analysis applications requiring increased resolution distance. These gels are precision manufactured for rapid and reproducible resolution of DNA sizes from 8 bp to 10 kb. Latitude™ Gels are available in a variety of well formats and agarose concentrations, in TAE and TBE buffer.

■ Benefits

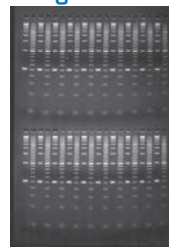
- Manufactured with high quality SeaKem® or NuSieve™ Agarose for reliability
- Latitude™ Gels fit most midigel chambers and provide optimal performance in the Latitude™ Chamber

■ Performance and Quality Tests

- DNase: No activity detected
- Gel performance: Sharp bands and low background fluorescence
- Most formats and sizes are available stained with GelGreen™ Ethidium Bromide free stain

- 18°C to 26°C for 6–12 months depending upon agarose concentration

Performance of the 40-well Latitude™ Precast Agarose Midigels



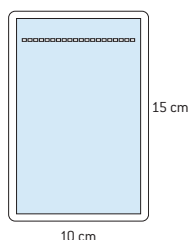
Alternate loads of 100 bp DNA ladder and Lonza 20 bp DNA ladder (Lonza) (1 µL marker/lane) run in a 4% NuSieve™ 3:1 Plus Agarose Gel in 1X TBE buffer containing 0.5 µg/mL Ethidium Bromide. 6 V/cm, 70 minute run in a 10 cm × 15 cm Latitude™ Gel Chamber using the TruBand™ Gel Anchor.

Specifications

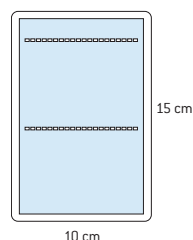
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|-------------------|-------------------|
| Gels per box: | 8 |
| Gel dimensions: | 10 cm × 15 cm |
| Gel thickness: | 6.0 mm |
| Ethidium bromide: | 0.5 µg/mL |
| Tray dimensions: | 10.4 cm × 15.6 cm |
| Well volume: | 10 µL–12 µL |



20-well



40-well



Ordering Information – Latitude™ Midigel

| Cat. No. NA | Cat. No. EU | Product Name | Product Description | Separation Range | Agarose | Size |
|-------------|-------------|-----------------------|-----------------------------------|------------------|----------------------------|-----------------------|
| 57200 | 57200 | Latitude™ Midigel TAE | With ethidium bromide (0.5 µg/mL) | bp 400 ≥ 10,000 | 1% SeaKem® LE Plus Agarose | 20-wells (8 gels/box) |
| 57220 | 57220 | Latitude™ Midigel TBE | With ethidium bromide (0.5 µg/mL) | bp 300 ≥ 8,000 | 1% SeaKem® LE Plus Agarose | 20-wells (8 gels/box) |
| 57210 | 57210 | Latitude™ Midigel TAE | With ethidium bromide (0.5 µg/mL) | bp 400 ≥ 10,000 | 1% SeaKem® LE Plus Agarose | 40-wells (8 gels/box) |
| 57211 | 57211 | Latitude™ Midigel TAE | With ethidium bromide (0.5 µg/mL) | bp 100 ≥ 3,000 | 2% SeaKem® LE Plus Agarose | 40-wells (8 gels/box) |
| 57230 | 57230 | Latitude™ Midigel TBE | With ethidium bromide (0.5 µg/mL) | bp 300 ≥ 8,000 | 1% SeaKem® LE Plus Agarose | 40-wells (8 gels/box) |
| 57231 | 57231 | Latitude™ Midigel TBE | With ethidium bromide (0.5 µg/mL) | bp 100 ≥ 2,000 | 2% SeaKem® LE Plus Agarose | 40-wells (8 gels/box) |

Ordering Information – Supporting Products

| Cat. No. NA | Cat. No. EU | Product Name | Product Description | Size |
|-------------|-------------|---------------------------|--|-------------------|
| 56990 | 56990 | Latitude™ Midigel Chamber | Casting accessories not available | Gel chamber |
| 56988 | 56988 | TruBand™ Gel Anchor | Free with your first order of Latitude™ Gels | Latitude™ Chamber |
| 56989 | 56989 | TruBand™ Gel Anchor | Free with your first order of Latitude™ Gels | Standard chambers |