



## Latitude™ HT Gels

Precast Gels for High-throughput Separations

Latitude™ HT Precast Agarose Gels are large format agarose gels designed for high-throughput screening applications. These gels are precision manufactured for rapid, reproducible resolution of DNA sizes from 8 bp to 10 kb. Latitude™ HT Gels are available in multiple well formats (from 100–200 wells) and agarose concentrations, in TAE and TBE buffer, all prestained with ethidium bromide. All Latitude gels can be prestained with Ethidium-free stain upon request.

### Benefits

- Manufactured with high quality SeaKem® or NuSieve™ Agarose for reliability
- Versatile design allows you to run gels in most large submerged electrophoresis systems
- Multichannel pipette compatible

### Applications

- High-throughput DNA analysis
- PCR, RT-PCR and Multiplex PCR
- Genotyping
- Fingerprinting
- Library construction

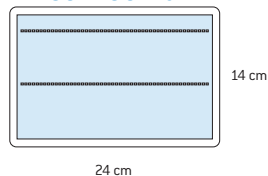
### Performance and Quality Tests

- 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

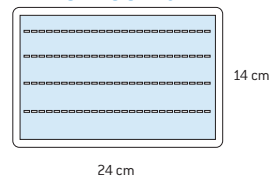
### Chamber Compatibility Information

- Latitude™ HT Gels fit most large submerged electrophoresis systems. Adaptors are available for many nonstandard systems; a complete list can be found on [www.lonza.com/latitude](http://www.lonza.com/latitude)

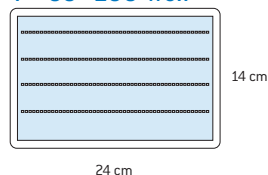
#### 2 × 50–100-well



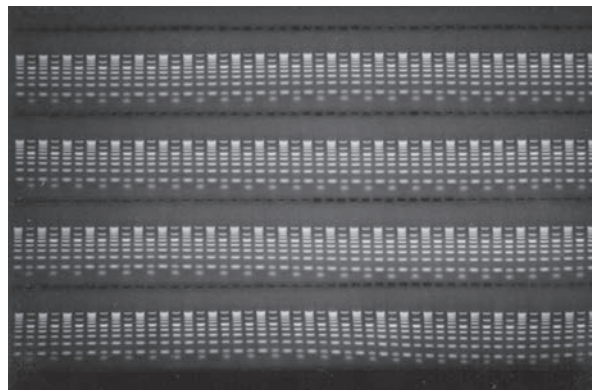
#### 4 × 25–100-well



#### 4 × 50–200-well



## Resolution of DNA Markers in a Latitude™ HT Precast Agarose Gel



Alternate loads of 50–1000 bp Marker and 100 bp Ladder (Lonza) run in a 2% SeaKem® LE Plus Agarose Gel in 1X TBE buffer containing 0.5 µg/mL ethidium bromide. Gels run at 6 V/cm, 1 hour run using the TruBand™ Anchor.

### Specifications

Gels per box:	5
Gel dimensions:	24 cm × 14 cm
Gel thickness:	6.5 mm
Ethidium bromide:	0.5 µg/mL
Tray dimensions:	25 cm × 15 cm
Well volume:	10 µL–12 µL for 50-well gels 25 µL–30 µL for 25-well gels

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

[www.lonza.com/sourcebook](http://www.lonza.com/sourcebook)




## Latitude™ HT Gels

Continued

## Ordering Information – Latitude™ HT Precast Gel

Cat. No. NA	Cat. No. EU	Product Name	Product Description	Separation Range	Agarose	Size
57206	57206	Latitude™ HT Precast Gel TAE	Multichannel pipette compatible (alternate well), with ethidium bromide (0.5 µg/mL)	bp 100 ≥ 3,000	2% SeaKem® LE Plus Agarose	2 × 50-wells, 100-well (5 gels/box)
57225	57225	Latitude™ HT Precast Gel TBE	Multichannel pipette compatible (alternate well), with ethidium bromide (0.5 µg/mL)	bp 8 ≥ 1,000	4% NuSieve™ 3:1 Plus Agarose	2 × 50-wells, 100-well (5 gels/box)
57226	57226	Latitude™ HT Precast Gel TBE	Multichannel pipette compatible (alternate well), with ethidium bromide (0.5 µg/mL)	bp 100 ≥ 2,000	2% SeaKem® LE Plus Agarose	2 × 50-wells, 100-well (5 gels/box)
57246	57246	Latitude™ HT Precast Gel TBE	Multichannel pipette compatible (consecutive well), with ethidium bromide (0.5 µg/mL)	bp 100 ≥ 2,000	2% SeaKem® LE Plus Agarose	4 × 25-wells, 100-well (5 gels/box)
57255	57255	Latitude™ HT Precast Gel TBE	Multichannel pipette compatible (consecutive well), with ethidium bromide (0.5 µg/mL)	bp 8 ≥ 1,000	4% NuSieve™ 3:1 Plus Agarose	4 × 25-wells, 100-well (5 gels/box)
57214	57214	Latitude™ HT Precast Gel TAE	Multichannel pipette compatible (alternate well), with ethidium bromide (0.5 µg/mL)	bp 400 ≥ 10,000	1% SeaKem® LE Plus Agarose	4 × 50-wells, 200-well (5 gels/box)
57234	57234	Latitude™ HT Precast Gel TBE	Multichannel pipette compatible (alternate well), with ethidium bromide (0.5 µg/mL)	bp 300 ≥ 8,000	1% SeaKem® LE Plus Agarose	4 × 50-wells, 200-well (5 gels/box)
57235	57235	Latitude™ HT Precast Gel TBE	Multichannel pipette compatible (alternate well), with ethidium bromide (0.5 µg/mL)	bp 8 ≥ 1,000	4% NuSieve™ 3:1 Plus Agarose	4 × 50-wells, 200-well (5 gels/box)
57236	57236	Latitude™ HT Precast Gel TBE	Multichannel pipette compatible (alternate well), with ethidium bromide (0.5 µg/mL)	bp 100 ≥ 2,000	2% SeaKem® LE Plus Agarose	4 × 50-wells, 200-well (5 gels/box)

 Contact Scientific Support to inquire about custom precast gels.

## Ordering Information – Supporting Products

Cat. No. NA	Cat. No. EU	Product Name	Product Description	Size
56991	56991	TruBand™ Gel Anchor		For Owl Millipede™, Shelton JSB-96, Fisher SB-2318 chambers
56993	56993	TruBand™ Gel Anchor		Standard chambers
50655	50655	DNA Loading Buffer (6X)	Ficoll® based with bromophenol blue and xylene cyanol	5 × 1 mL
50836	50836	AccuGENE™ 5X TBE Buffer	0.45 M Tris-borate, 0.01 M EDTA (disodium salt), pH 8.3	20 L
51216	BE51216	AccuGENE™ 50X TAE Buffer	2.0 M Tris-acetate, 0.05 M EDTA, pH 8.3	1 L
50843	BE50843	AccuGENE™ 10X TBE Buffer	0.89 M Tris-borate, 0.02 M EDTA (disodium salt), pH 8.3	1 L
50841	50841	AccuGENE™ 10X TAE Buffer	0.4 M Tris-acetate, 0.01 M EDTA (disodium salt), pH 8.0	4 L
50844	BE50844	AccuGENE™ 10X TAE Buffer	0.4 M Tris-acetate, 0.01 M EDTA (disodium salt), pH 8.0	1 L