BioResearch

VWR We Enable Science | Lonza

Nucleic Acid Electrophoresis

The Standard in Quality, Precision and Performance

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Lonza is a leading manufacturer and trusted supplier of agarose. With over 50 years of experience in nucleic acid electrophoresis, we bring a strong history of innovation and reliability to your most important research. Our well known product brands set the standard in quality, purity and performance for electrophoresis.

- FlashGel™ System
- Reliant™ and Latitude™ Precast Gels
- SeaKem®, NuSieve™ and MetaPhor™ Agarose
- SimplyLoad™ DNA Ladders
- GelStar™ and SYBR® Stains
- AccuGENE™ Buffers
- GelBond® Gel Support Film

FlashGel™ System

Rapid DNA/RNA Electrophoresis with Real Time Results in Minutes

The FlashGel™ System provides an ultra-fast, hands free DNA/RNA separations and DNA recovery device with supporting reagents, portable for any bench top and easy to use with no gel preps. This includes all-in-one separations, recovery of DNA, real time visualization, capturing images without UV light, and software to download images onto your laptop/cell phone.

What the FlashGel™ System can do for you:

- DNA separation in 5 minutes
- Recover DNA samples directly from the cassette, without band excision or purification in 10 minutes
- Separate RNA in 30 minutes, with no hazardous reagents or contaminating RNases

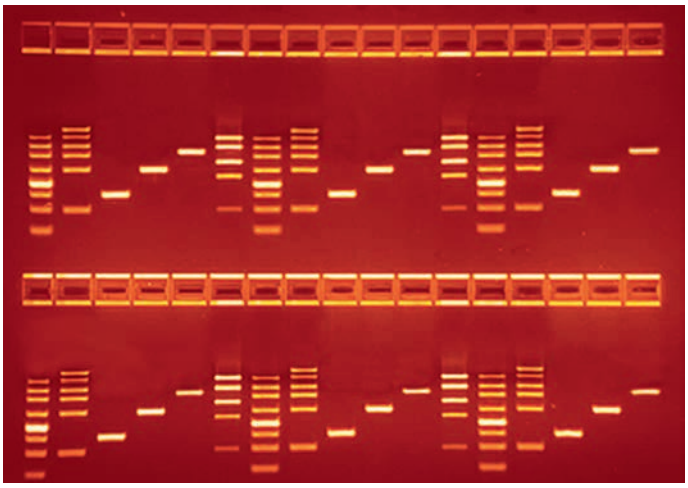
System Devices (FlashGel™ Dock, Camera, Power Supply, Precast Cassettes, Loading Dye and Markers)

FlashGel™ for DNA Separation

Powerful and compact device with precast gel cassettes for separating nucleic acids ranging from 50 bp to 4 kb.

Benefits include:

- DNA separation in 5 minutes, see bands migrate instantly
- Photograph gels at the bench, without DNA damaging UV light, and document
- Detect <0.1 ng DNA with outstanding sensitivity and resolution, up to 20 times more sensitive than ethidium bromide



DNA bands as viewed during a run on the FlashGel™ Dock.

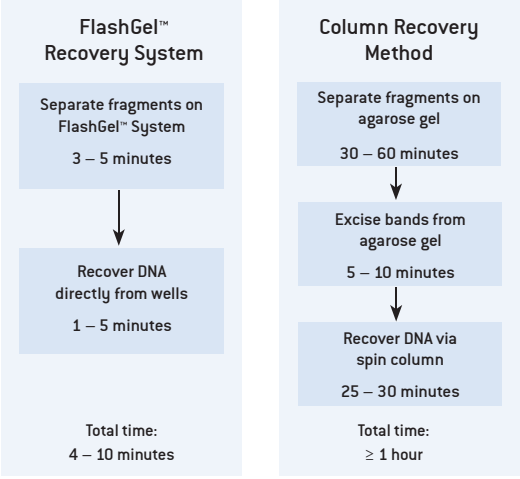
FlashGel™ for DNA Recovery

Easy DNA recovery with no band excision required.

Benefits include:

- Separate and recover DNA in 10 minutes
- Recover DNA samples directly from the cassette, without band excision or purification
- Visualize DNA recovery without UV light, and obtain efficiency of 80% – 100%

Work Flow Conversion, Time and Method Savings

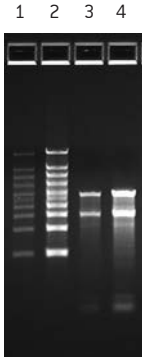


FlashGel™ for RNA Separation

Fast and easy qualitative check for RNA separation.

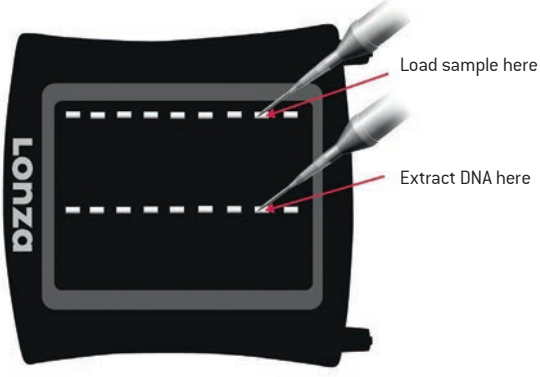
Benefits include:

- Separate RNA in less than 30 minutes at the bench
- Detect <10 ng RNA per band with outstanding sensitivity and resolution
- No hazardous reagents or contaminating RNases



Samples of RNA Marker (Lonza) (lanes 1 and 2) and *E. coli* total RNA (lanes 3 and 4) contain 50 ng (lanes 1 and 3) or 250 ng (lanes 2 and 4) of RNA per 5 µL load. Samples prepared with Formaldehyde Sample Buffer (Lonza) and denatured 5 minutes at 65°C. FlashGel™ RNA Cassette run for 8 minutes, followed by a 20 minute hold prior to imaging.

FlashGel™ Recovery Cassette, Easy for Recovery



Ordering Information – FlashGel™ System

Cat. No.	Description	Size
FlashGel™ System		
95015-616	FlashGel™ Dock	Dock only
95045-602	FlashGel™ Camera	Camera only
89233-898	FlashGel™ Power Supply	Power supply only
95045-604	FlashGel™ System	Dock, Camera and DNA starter kit
89400-686	FlashGel™ Device Pack	Includes FlashGel™ Dock, FlashGel™ Power Supply and FlashGel™ Camera
89400-692	FlashGel™ Camera Pack	Includes FlashGel™ Dock and FlashGel™ Camera
89400-694	FlashGel™ Power Supply Pack	Includes FlashGel™ Dock and FlashGel™ Power Supply
FlashGel™ System for DNA Separation and Recovery		
95015-623	FlashGel™ DNA Cassettes – 9/pk	1.2%, 12+1 single tier
95015-624	FlashGel™ DNA Cassettes – 9/pk	1.2%, 16+1 double tier (34-well)
95015-618	FlashGel™ DNA Cassettes – 9/pk	2.2%, 12+1 single tier
95015-626	FlashGel™ DNA Cassettes – 9/pk	2.2%, 16+1 double tier (34-well)
89135-718	FlashGel™ Recovery Cassettes – 9/pk	1.2% agarose, 8+1 double tier (18-well)
95053-310	FlashGel™ Recovery Cassettes – 9/pk	2.2% agarose, 8+1 double tier (18-well)
95053-312	FlashGel™ Recovery Buffer	2 × 500 µl
95015-634	FlashGel™ Loading Dye (5X)	5 × 1 mL vials 5X concentration
95015-638	FlashGel™ QuantLadder, 100 bp – 1.5 kb	Multi-marker
95015-636	FlashGel™ DNA Marker, 50 bp – 1.5 kb	Band Sizes: 50/100/150/200/300/500/800/1500 bp
95015-632	FlashGel™ DNA Marker, 100 bp – 3 kb	Band Sizes: 100/300/500/800/1500/3000 bp
95015-640	FlashGel™ DNA Marker, 100 bp – 4 kb	Band Sizes: 100/200/300/500/800/1250/2000/4000 bp
89400-688	FlashGel™ DNA Kit, includes FlashGel™ DNA Cassettes, FlashGel™ Loading Dye, and FlashGel™ Marker 100 bp – 4 kb	1.2%, 12+1-well single tier – 9/pk
89400-690	FlashGel™ Recovery Kit, includes FlashGel™ Recovery Cassettes, FlashGel™ Recovery Buffer, FlashGel™ Loading Dye, FlashGel™ QuantLadder and Glasses	1.2%, 8+1-well double tier – 9/pk
FlashGel™ System for RNA Separation and Recovery		
95015-628	FlashGel™ RNA Cassettes–9/pk	1.2% agarose, 12+1 single-tier
95015-630	FlashGel™ RNA Cassettes–9/pk	1.2% agarose, 16+1 double-tier (34-well)
95015-640	FlashGel™ RNA Marker, 0.5 kb – 9 kb	0.5 bp – 9 kb 50 µg (1 µg/mL)
95015-634	FlashGel™ Loading Dye (5X)	5 × 1 mL vials 5X concentration
95015-614	FlashGel™ RNA Kit, includes FlashGel™ RNA Cassettes, RNA Marker, Sample Buffer and Molecular Biology Water	1.2%, 12+1-well single tier – 9/pk

Reliant™ Minigels

Convenient Precast Gels for DNA/RNA Separation and Recovery

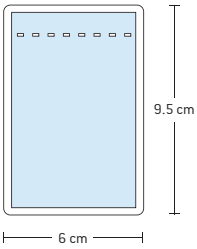
Reliant™ Gels are precision manufactured for reproducible resolution of DNA sizes from 8 bp to 10 kb and designed for verification of RNA integrity and are guaranteed RNase-free.

Benefits include:

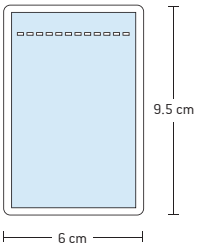
- Made with high quality SeaKem® and NuSieve™ Agarose
- Compatible with most minigel chambers
- Versatile format options

DNA Gel Formats

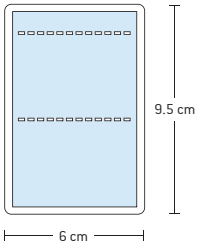
8-well



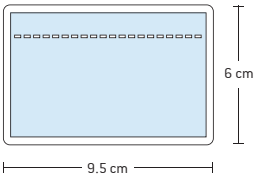
12-well



24-well

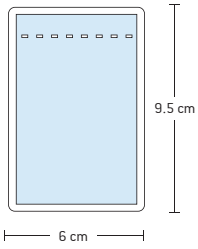


20-well

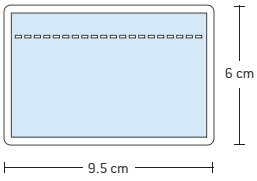


RNA Gels Formats

8-well



20-well



Ordering Information – Reliant™ Minigels for DNA (20 gels/box)

Cat. No.	Description	Buffer	Separation Range (bp)	Agarose
8-well				
12001-426	Reliant™ Gel no stain with ethidium bromide (0.5 µg/mL)	TAE	400 ≥ 10,000	1% SeaKem® Gold Agarose
12001-428	with ethidium bromide (0.5 µg/mL)	TAE	400 ≥ 10,000	1% SeaKem® Gold Agarose
12001-126		TAE	20 ≥ 1,000	4% NuSieve™ 3:1 Plus Agarose
12001-436		TBE	300 ≥ 8,000	1% SeaKem® Gold Agarose
12001-128		TBE	8 ≥ 1,000	4% NuSieve™ 3:1 Plus Agarose
12-well				
12001-434	Reliant™ Gel with ethidium bromide (0.5 µg/mL)	TAE	400 ≥ 10,000	1% SeaKem® Gold Agarose
12001-432		TBE	300 ≥ 8,000	1% SeaKem® Gold Agarose
95053-316		TBE	100 ≥ 3,000	2% SeaKem® Gold Agarose
12002-134		TBE	8 ≥ 1,000	4% NuSieve™ 3:1 Plus Agarose
24-well				
12001-438	Reliant™ Gel with ethidium bromide (0.5 µg/mL)	TBE	300 ≥ 8,000	1% SeaKem® Gold Agarose
12001-430		TBE	100 ≥ 3,000	2% SeaKem® Gold Agarose
12001-132		TBE	8 ≥ 1,000	4% NuSieve™ 3:1 Plus Agarose
20-well				
12001-442	Reliant™ Gel no stain	TBE	100 ≥ 3,000	2% SeaKem® Gold Agarose
12001-446		TBE	8 ≥ 1,000	4% NuSieve™ 3:1 Plus Agarose
12001-440	with ethidium bromide (0.5 µg/mL)	TBE	300 ≥ 8,000	1% SeaKem® Gold Agarose
12001-444		TBE	100 ≥ 3,000	2% SeaKem® Gold Agarose
12001-130		TBE	8 ≥ 1,000	4% NuSieve™ 3:1 Plus Agarose

Ordering Information – Reliant™ Minigels for RNA

Cat. No.	Description	Size	Buffer	Agarose
12002-140	Reliant™ RNA Gel 20 minigels/box	8-well	MOPS	1.25% SeaKem® Gold
12001-448		20-well landscape	MOPS	1.25% SeaKem® Gold

Latitude™ HT Gels and Midigels

Precision Precast Gels for DNA/RNA Separations in High-throughtput Format

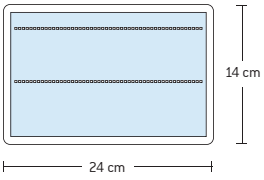
Latitude™ DNA Gels are specifically designed for high sample throughput for DNA ranging 8 bp to 10 kb, and Latitude™ RNA Gels are RNase-free and optimal for verification of RNA integrity.

Benefits include:

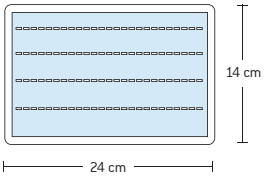
- Made with high quality SeaKem® and NuSieve™ Agarose
- Fits in most large submerged electrophoresis systems and is compatible with multichannel pipetters
- Supports DNA well formats from 20 – 200 wells and RNA from 20 – 40 wells

DNA HT Gel formats

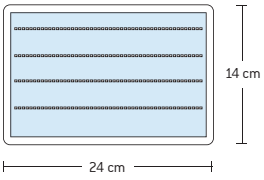
2 x 50 – 100-well



4 x 25 – 100-well

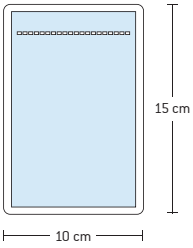


4 x 50 – 200-well

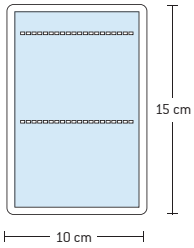


DNA/RNA Midigel formats

20-well



40-well



Ordering Information – Latitude™ HT Gels (5 gels/box)

Cat. No.	Description	Buffer	Separation Range (bp)	Agarose
2 × 50-wells, 100-well				
12001-470	Latitude™ HT Precast Gel multichannel pipette compatible (alternate well) contains ethidium bromide (0.5 µg/mL)	TBE	8 ≥ 1,000	4% NuSieve™ 3:1 Plus Agarose
12001-472		TBE	100 ≥ 2,000	2% SeaKem® LE Plus Agarose
4 × 25-wells, 100-well				
12001-484	Latitude™ HT Precast Gel multichannel pipette compatible (consecutive well) contains ethidium bromide (0.5 µg/mL)	TBE	100 ≥ 2,000	2% SeaKem® LE Plus Agarose
12001-470		TBE	8 ≥ 1,000	4% NuSieve™ 3:1 Plus Agarose
4 × 50-wells, 200-well				
12001-466	Latitude™ HT Precast Gel multichannel pipette compatible (alternate well) contains ethidium bromide (0.5 µg/mL)	TAE	400 ≥ 10,000	1% SeaKem® LE Plus Agarose
12001-474		TBE	300 ≥ 8,000	1% SeaKem® LE Plus Agarose
12001-476		TBE	8 ≥ 1,000	4% NuSieve™ 3:1 Plus Agarose
12001-478		TBE	100 ≥ 2,000	2% SeaKem® LE Plus Agarose

Ordering Information – Latitude™ Midigels (8 gels/box)

Cat. No.	Description	Buffer	Separation Range (bp)	Agarose
20-well				
12002-144	Latitude™ Midigel contains ethidium bromide (0.5 µg/mL)	TAE	400 ≥10,000	1% SeaKem® LE Plus Agarose
40-well				
12002-146	Latitude™ Midigel contains ethidium bromide (0.5 µg/mL)	TAE	400 ≥10,000	1% SeaKem® LE Plus Agarose
12002-152		TBE	300 ≥8,000	1% SeaKem® LE Plus Agarose
12002-148		TAE	100 ≥3,000	2% SeaKem® LE Plus Agarose

Ordering Information – Supporting Products

Cat. No.	Description	Size
12002-116	Formaldehyde Sample Buffer ideal for visualization/analysis contains bromophenol blue and xylene cyanol	5 × 1 mL
12002-040	Latitude™ Midigel Chamber casting accessories not available gel chamber	Gel chamber

Agarose

Consistency and Reliability to Deliver the Results You Need

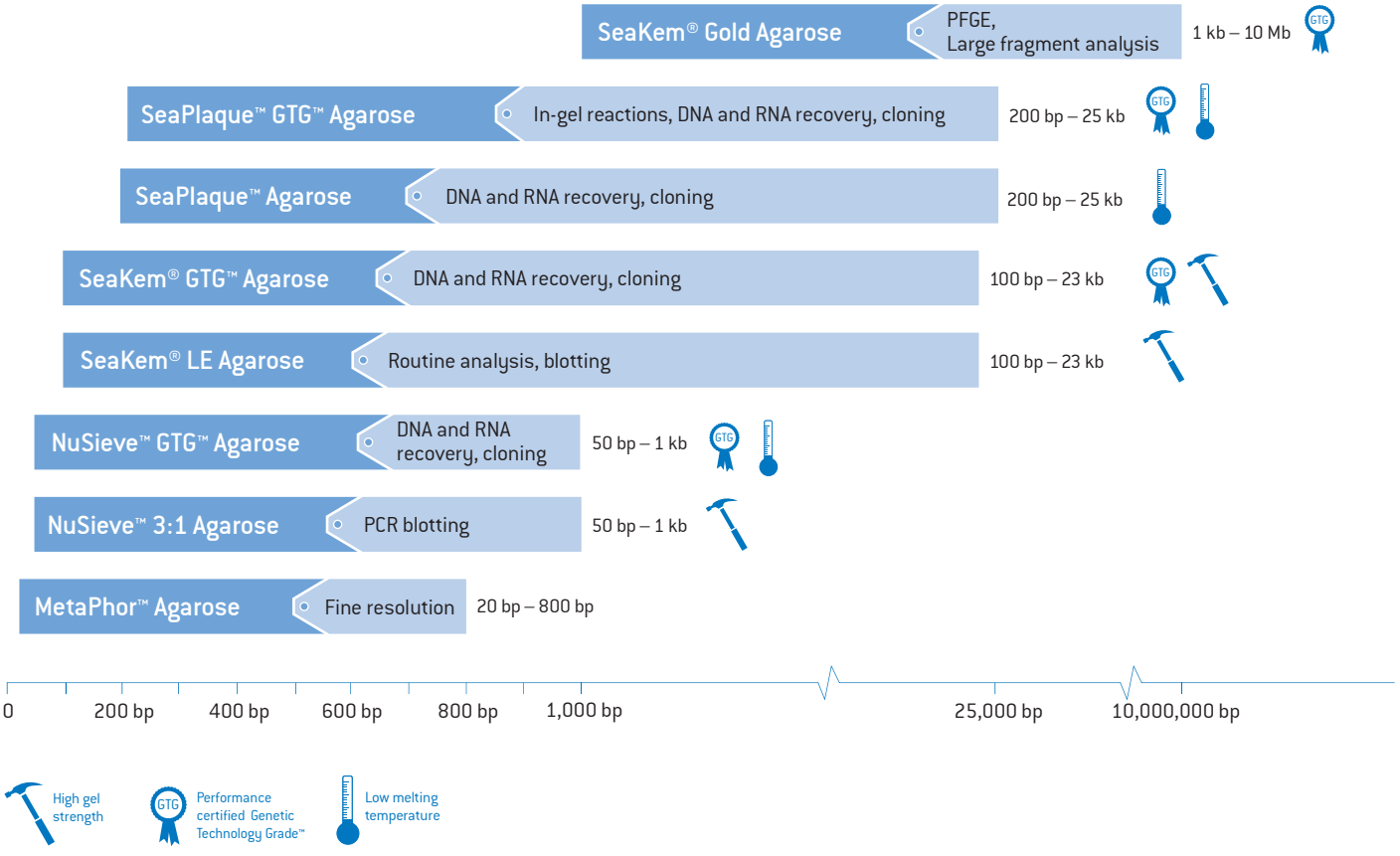
Lonza's agarose is designed for optimal resolution, blotting and recovery. Selecting the right agarose for your application will minimize errors, optimize results and even reduce costs. With a full range of agarose types designed by fragment size, sample type and application, we can help with any electrophoresis method.

Benefits include:

- Higher performance in resolution and band sharpness
- Consistent and accurate results with high quality
- Greater gel strength for easy handling

Choose the Right Agarose for Your Needs

Agarose and Applications



SeaKem® Agarose

The gold standard for routine DNA/RNA analysis.

Benefits include:
- Routine separation and blotting of large fragments
- Wide resolution range and easy to dissolve

SeaKem® LE Agarose – supports broad band separation of 100 bp – 23 kb fragments, and optimized for PCR fragments with < 1 kb

SeaKem® GTG™ Agarose – SeaKem® LE formulation with Genetic Technology Grade™ (GTG™) Performance certification

SeaKem® Gold Agarose – supports separation of DNA 50 kb – 10 Mb by pulsed field methods, and rapid separation of DNA 30 – 50 kb by horizontal methods and is GTG™ Performance certified.

SeaPlaque™ Agarose

The original low-melting temperature agarose.

Benefits include:
- Optimized for recovery and cloning for 200 bp – 25 kb
- Ideal for cloning tissue culture cells and viral plaque assays

SeaPlaque™ Agarose – Low melting temperature agarose designed for recovery and in-gel reactions for large fragments

SeaPlaque™ GTG™ Agarose – GTG™ Performance certified for large fragment recovery and in-gel reactions

NuSieve™ Agarose

Reliable choice for PCR and RT-PCR analysis.

Benefits include:
- Exceptional resolution for small fragments between for 50 bp – 1 kb
- High gel strength for blotting

NuSieve™ 3:1 Agarose – Finely resolves DNA fragments < 1,000 bp

NuSieve™ GTG™ Agarose – NuSieve™ 3:1 formulation with GTG™ Grade performance certification

MetaPhor™ Agarose

The highest resolution agarose available.

Benefits include:
- Ultra-fine resolution, detects 2% size difference from 20 bp – 800 bp
- Ideal for small PCR, RT-PCR and STR analysis

Specialty Agarose

Lonza also offers a range of agaroses for special applications including:

SeaPrep™ Agarose
Ultra-soft agarose ideal for high efficiency hybridoma cloning and expansion of cDNA libraries

I.D.NA™ Agarose
DNA identity testing for VNTRs, HVRs, RFLPs, and DNA sizing standards

InCert™ Agarose
Low-gelling temperature GTG™ Certified agarose, certified for use in the preparation and digestion of chromosomal DNA prior to the pulsed field gel electrophoresis (PFGE)

ß-Agarase
An enzyme that will digest the polysaccharide backbone of molten agarose into alcohol soluble oligosaccharides

Ordering Information – Agarose

Cat. No.	Description	Size
SeaKem® LE Agarose		
12001-868	SeaKem® LE Agarose	25 g
12002-102	SeaKem® LE Agarose	100 g
12001-866	SeaKem® LE Agarose	125 g
12001-870	SeaKem® LE Agarose	500 g
12002-104	SeaKem® LE Agarose	1 kg
SeaKem® GTG™ Agarose		
12001-894	SeaKem® GTG™ Agarose	25 g
12001-892	SeaKem® GTG™ Agarose	125 g
12001-896	SeaKem® GTG™ Agarose	500 g
SeaKem® Gold Agarose		
12001-912	SeaKem® Gold Agarose	25 g
12001-910	SeaKem® Gold Agarose	125 g
SeaPlaque™ Agarose		
12001-900	SeaPlaque™ Agarose	25 g
12001-898	SeaPlaque™ Agarose	125 g
SeaPlaque™ GTG™ Agarose		
12001-904	SeaPlaque™ GTG™ Agarose	25 g
12001-902	SeaPlaque™ GTG™ Agarose	125 g
MetaPhor™ Agarose		
12001-918	MetaPhor™ Agarose	25 g
12001-916	MetaPhor™ Agarose	125 g
12001-920	MetaPhor™ Agarose	250 g
NuSieve™ Agarose		
12001-728	NuSieve™ Agarose	25 g
12001-726	NuSieve™ Agarose	125 g
12002-106	NuSieve™ Agarose	500 g
NuSieve™ GTG™ Agarose		
12001-722	NuSieve™ GTG™ Agarose	25 g
12001-720	NuSieve™ GTG™ Agarose	125 g
12001-724	NuSieve™ GTG™ Agarose	500 g
SeaPrep™ Agarose		
12001-922	SeaPrep™ Agarose	25 g
I.D.NA™ Agarose		
12001-914	I.D.NA™ Agarose	25 g
InCert™ Agarose and Megabase Standards		
12001-906	InCert™ Agarose	1 g
12001-908	InCert™ Agarose	5 g
12002-108	Lambda DNA ladder 50 kb to 873 kb	5 plugs (10 ± 2 µg DNA/plug)
12002-110	*Saccharomyces cerevisiae* DNA Standard 220 kb to approximately 1 Mb chromosomal DNA	5 plugs (10 ± 2 µg DNA/plug)
ß-Agarase		
12001-488	ß-Agarase	100 units
12001-490	ß-Agarase	500 units

Larger package sizes are available upon request. Please inquire for pricing and availability.

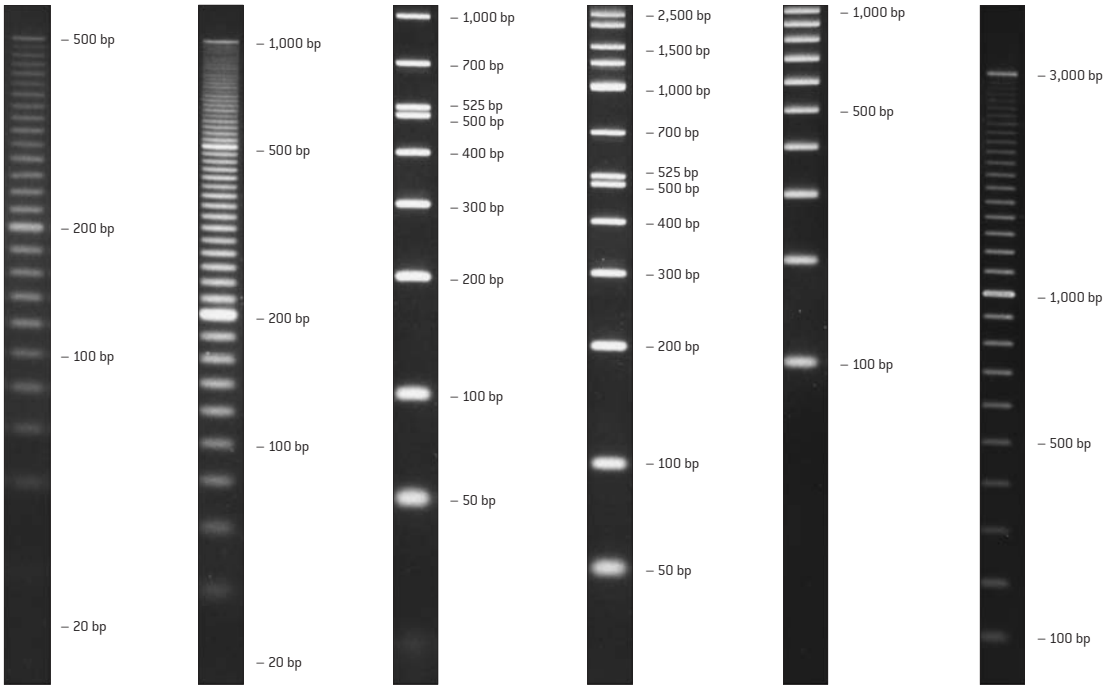
Ladders and Markers for DNA and RNA

Optimal Performance Offers Assurance in Your Results

Good performance starts with high quality agarose and precast gels, followed by the same high standards for markers, ladders and stains. Lonza offers a wide range to help assure your results.

Benefits include:

- Clear sharp band patterns on each gel using quality markers and ladders
- Visualization of bands with quality stains



Cat. No.	20 bp	20 bp Ext.	50–1,000 bp	50–2,500 bp	100 bp	100 bp Ext.
Standard DNA Ladders	12001-732	12001-496	12001-502	12001-810	12001-498	12001-730
SimplyLoad™ DNA Ladders	12001-784	12001-776	–	–	12001-778	12001-780

Fragment sizing made easy:

- Standard Ladders, size range 20 bp – 8,000 bp
- Standard Quantitation Ladders, size range 100 bp – 1,000 bp
- Standard DNA Ladders, size range 50 bp – 10 kb
- SimplyLoad™ DNA Ladders, no need for mixing, heating or diluting prior to loading
- RNA Maker, size range 0.5 kb – 9 kb

Ordering Information – Standard Ladders and Markers

Cat. No.	Description	Size	Range	Applications
Standard Ladders				
12001-732	20 bp DNA Ladder	150 µL	20 bp – 500 bp	100
12001-496	20 bp Extended Range DNA Ladder	150 µL	20 bp – 1,000 bp	100
12001-498	100 bp DNA Ladder Concentration: 100 ng/µL	160 µL	100 bp – 1,000 bp	100
12001-730	100 bp Extended Range DNA Ladder	150 µL	100 bp – 3,000 bp	100
12001-500	500 bp DNA Ladder	300 µL	500 bp – 8,000 bp	200
Standard Quantitation Ladders				
12001-736	DNA QuantLadder	125 µL	100 bp – 1,000 bp	50
12001-738	DNA Reverse QuantLadder	125 µL	100 bp – 1,000 bp	50
Standard DNA Ladders				
12001-502	DNA Marker 50 – 1,000 bp	250 µL	50 bp – 1,000 bp	50
12001-504	DNA Marker 1 – 10 kb	2 × 250 µL	1 kb – 10 kb	100
12001-810	DNA Marker 50 – 2,500 bp	250 µL	50 bp – 2,500 bp	50

Ordering Information – SimplyLoad™ Ladders

Cat. No.	Description	Size	Range	Applications
SimplyLoad™ DNA Ladders				
12001-784	SimplyLoad™ 20 bp DNA Ladder	500 µL	20 bp – 500 bp	100
12001-776	SimplyLoad™ 20 bp Extended Range DNA Ladder	500 µL	20 bp – 1,000 bp	100
12001-778	SimplyLoad™ 100 bp DNA Ladder	500 µL	100 bp – 1,000 bp	100
12001-780	SimplyLoad™ 100 bp Extended Range DNA Ladder	500 µL	100 bp – 3,000 bp	100
12001-782	SimplyLoad™ 500 bp DNA Ladder	500 µL	500 bp – 8,000 bp	100
12001-786	SimplyLoad™ Tandem DNA Ladder	500 µL	100 bp – 12,000 bp	100

Ordering Information – RNA Markers

Cat. No.	Description	Size
12001-748	FlashGel™ RNA Marker 0.5 – 9 kb	50 µg (1 µg/µL)

Stains

Exquisitely Sensitive In-gel and Fluorescent Stains for DNA and RNA

Benefits include:

- Maximum sensitivity compared to silver staining methods
- Complete staining solution for all types of nucleic acids

Stain and Method	ssDNA	dsDNA
GelStar™ Stain – in gel	25 pg	20 pg
Ethidium bromide, no destain	1.25 ng	350 pg
Ethidium bromide, no destain	350 pg	100 pg
SYBR® Green I or II Stain	60 pg	20 – 30 pg

GelStar™ Nucleic Acid Gel Stain – detects 20 pg of dsDNA or 3 ng of RNA with a simple stain added prior to gel casting, or post stain, no de-staining required

SYBR® Green I Nucleic Acid Gel Stain – detects 60 pg dsDNA and 1 ng oligonucleotide, best for PCR

SYBR® Green II Nucleic Acid Gel Stain – detects 100 pg of ssDNA and 2 ng RNA, best for RNA

SYBR® Green Gel Stain Photographic Filter – required for optimal sensitivity with black and white film

Ordering Information – Nucleic Acid Gel Stains

Cat. No.	Description	Size
GelStar™ Nucleic Acid Gel Stain		
12001-804	GelStar™ Nucleic Acid Gel Stain	2 × 250 µL
12001-926	GelStar™ Gel Stain Photographic Filter (Wratten® #9)	3 inch square
SYBR® Green Nucleic Acid Gel Stain		
12001-798	SYBR® Green I Nucleic Acid Gel Stain supplied as a 10,000X concentrated solution in DMSO.	10 × 50 µL
12001-796	SYBR® Green I Nucleic Acid Gel Stain supplied as a 10,000X concentrated solution in DMSO.	2 × 500 µL
12001-802	SYBR® Green II Nucleic Acid Gel Stain supplied as a 10,000X concentrated solution in DMSO.	10 × 50 µL
12001-800	SYBR® Green II Nucleic Acid Gel Stain supplied as a 10,000X concentrated solution in DMSO.	2 × 500 µL
12001-792	SYBR® Green Gel Stain Photographic Filter (Wratten® #15)	3 inch square

AccuGENE™ Buffers

Formulated for Maximum Performance for a Wide Range of Applications

Benefits include:

- Manufactured to strict quality control standards
- Lot-to-lot consistency
- Ready-to-use solutions to reduce preparation time
- Guaranteed DNase, RNase and protease free
- Customized solutions are available upon request

Ordering Information – AccuGENE™ Buffers

Cat. No.	Description		Size
AccuGENE™ Buffers			
12001-380	AccuGENE™ Molecular Biology Water		1 L
12001-420	AccuGENE™ Molecular Biology Water		4 L
12001-400	AccuGENE™ Molecular Biology Water		20 L
12001-382	AccuGENE™ 0.5 M EDTA Solution	Disodium salt, pH 8.0	100 mL
12001-410	AccuGENE™ 0.5 M EDTA Solution	Disodium salt, pH 8.0	1 L
12001-384	AccuGENE™ 5 M Sodium Chloride		1 L
12001-390	AccuGENE™ 10% SDS	Monosodium salt	100 mL
12001-392	AccuGENE™ 10% SDS	Monosodium salt	500 mL
12001-386	AccuGENE™ 3 M Sodium Acetate	pH 5.2	500 mL
12001-388	AccuGENE™ 20X SSC Buffer	3.0 M NaCl, 0.3 M sodium citrate, pH 7.0	1 L
12001-394	AccuGENE™ 20X SSPE Buffer	3.0 M NaCl, 0.2 M NaH_2PO_4, H_2O, 0.02 M EDTA, pH 7.4	1 L
12001-412	AccuGENE™ 1X TE Buffer	0.01 M Tris, 0.001 M EDTA (disodium salt), pH 7.4	500 mL
12001-414	AccuGENE™ 1 M Tris HCl Buffer	pH 7.2	1 L
12001-416	AccuGENE™ 1 M Tris HCl Buffer	pH 7.4	1 L
12001-418	AccuGENE™ 1 M Tris HCl Buffer	pH 8.0	1 L
12001-396	AccuGENE™ LB Broth (Luria Bertani Medium)	10 g/L Bacto-Tryptone, 5 g/L Bacto-Yeast Extract, and 10 g/L NaCl	500 mL
12001-768	AccuGENE™ Neutralization Solution	1.5 M NaCl, 1.0 M Tris, pH 7.5	1 L
12001-764	AccuGENE™ 1X PBS	1.7 mM K_2HPO_4, 5 mM Na_2HPO_4, 150 mM NaCl, pH 7.4	1 L
12001-766	AccuGENE™ 10X PBS	0.017 M K_2HPO_4, 0.05 M Na_2HPO_4, 1.5 M NaCl, pH 7.4	1 L

Ordering Information – AccuGENE™ Buffers

Cat. No.	Description		Size
Buffers for DNA Electrophoresis			
12001-116	AccuGENE™ 10X TAE Buffer	0.4 M Tris-acetate, 0.01 M EDTA (disodium salt), pH 8.0	1 L
12002-122	AccuGENE™ 10X TAE Buffer	0.4 M Tris-acetate, 0.01 M EDTA (disodium salt), pH 8.0	4 L
12001-024	AccuGENE™ 50X TAE Buffer	2.0 M Tris-acetate, 0.05 M EDTA, pH 8.3	1 L
12001-002	AccuGENE™ 10X TBE Buffer	0.89 M Tris-borate, 0.02 M EDTA (disodium salt), pH 8.3	1 L
Buffers for RNA Electrophoresis			
12001-120	AccuGENE™ 10X MOPS Buffer	0.2 M MOPS (free acid), 0.05 M sodium acetate, 0.01 M EDTA (disodium salt), 0.01 M EGTA (free acid), pH 7.0. No detectable RNase activity	1 L
Electrophoresis Loading Buffers			
12002-120	DNA Loading Buffer (6X)	Ficoll® based with bromophenol blue and xylene cyanol	5 × 1 mL
12001-760	Triple-Dye Loading Buffer (6X)	Contains bromophenol blue, xylene cyanol, and orange G	1.1 mL

GelBond® Film

Supports Agarose Gels With a Transparent, Flexible Polyester Film

Benefits include:

- Gels cast on GelBond® Film remain permanently attached to the film through electrophoresis or immunodiffusion with all subsequent fixing, staining, detaining and dying procedures
- Reliable and durable to retain original dimensions with easy handling
- Gel orientation can be recorded directly on the film prior to casting

Ordering Information – GelBond® Film

Cat. No.	Description	Size (mm)	Chamber Compatibility
GelBond® Film Sheets and Rolls			
12001-936	GelBond® Film Sheets for agarose gels; 0.2 mm thick, 100 sheets	85 × 100	
12001-940		110 × 125	
12001-942		100 × 150	Bio-Rad® Wide Mini-Sub® Cell, Bio-Rad® Sub-Cell® (H)
12001-944		110 × 205	
12001-946		160 × 180	Hoefer® SE400, SE600 (V) Bio-Rad PROTEAN® II xi (V)
12001-950		125 × 245	
12001-954		124 × 258	GE Multiphor® (H)
12001-938	GelBond® Film Rolls for agarose gels; 0.2 mm thick rolls	102	
12001-948		127	
12001-956		203	

Custom-cut GelBond® Film is available upon special request. Please inquire for pricing and availability.

(H) = Horizontal; (V) = Vertical

Contact Information

North America

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Not for use in diagnostic procedures.

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