

EXCLUSIVE TO MANDEL



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Western Blotting Substrates from KPL

Push your blot sensitivity!

	SUBSTRATE	DETECTION LIMIT	SIGNAL	ENZYME
CHEMI	LumiGLO Reserve	femtogram	4 – 8 hours glow	HRP
	LumiGLO	low picogram	1 – 2 hours glow	HRP
	PhosphaGLO Reserve	femtogram	5 days glow	AP
	PhosphaGLO	picogram	5 days glow	AP
COLOUR	TMB Membrane	low picogram	stable precipitate	HRP
	BCIP/NBT	low picogram	stable precipitate	AP
	4 CN	picogram	stable precipitate	AP

- Choice of peroxidase or phosphatase detection
- Colorimetric and chemiluminescent substrates
- Strong signal achieved with the use of reduced amounts of precious target & antibodies
- Convenient, ready-to-use solutions
- Western kits contain substrates, blocking and washing agents and 2° Abs

Comparison of low-end sensitivity using LumiGLO Reserve and ECL Substrates



LumiGLO Reserve

ECL Plus

ECL Advance

DESCRIPTION	CAT. NO.	SPECIAL
LumiGLO Chemi. Substrate (2 comp), 240mL	KP-54-61-00	\$151.20
LumiGLO Western Blotting Kit, 2500cm ²	KP-54-12-50	482.80
LumiGLO Reserve Chemi. Substrate (2 comp), 2400cm ²	KP-54-71-00	476.00
LumiGLO Reserve Chemi. Substrate (2 comp), 600cm ²	KP-54-71-01	178.50
LumiGLO Reserve Western Blotting Kit, 2400cm ²	KP-54-13-50	723.10
PhosphaGLO AP Substrate, 100mL	KP-55-60-04	268.80
PhosphaGLO Reserve AP Substrate, 100mL	KP-55-60-02	399.70
TMB Membrane Substrate (1 comp), 200mL	KP-50-77-03	90.30
TMB Membrane Substrate (1 comp), 1L	KP-50-77-04	326.90
TMB Membrane Substrate (1 comp), 100mL	KP-50-77-18	56.00
TMB Western Blot Kit, 2500cm ²	KP-54-11-50	368.90
BCIP/NBT Substrate, (one comp) 100mL	KP-50-81-18	49.70
BCIP/NBT Western Blot Kit, 2500cm ²	KP-55-11-50	368.90
4-CN Substrate System (2-comp.), 600mL	KP-50-73-00	173.60

FREE SUBSTRATE TRIAL PROGRAM!

Please contact your local sales rep or call 1-888-883-3636 for more information.

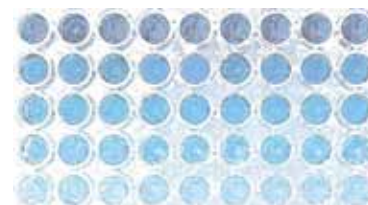
ELISA Substrates from KPL

ABTS Peroxidase Substrates

- Excellent linearity; provides the widest working range of any chromogenic HRP substrate
- Supplied as ready-to-use or as an extremely stable 2-component product
- Ideal for kinetic assays

Pump up your signal!

- Choice of peroxidase or phosphatase detection
- Chromogenic and chemiluminescent substrates available (see above for chemi)
- Convenient, ready-to-use solutions



SureBlue Reserve TMB Peroxidase Substrate

- Develops deep blue colour measurable at 650nm
- Recommended for both kinetic and endpoint ELISAs

TMB Peroxidase Substrate

- Excellent stability and sensitivity
- Economical choice when ready-to-use convenience is not required
- Choose between 2- or convenient 1-component format

pNPP Phosphatase Substrate

- Yellow colour measurable between 405 – 410 nm
- Reliable, economical choice when high sensitivity is not required

DESCRIPTION	CAT. NO.	SPECIAL
Peroxidase		
SureBlue Reserve TMB Microwell Substrate (1 comp), 100mL	KP-53-00-01	\$51.30
SureBlue Reserve TMB Microwell Substrate (1 comp), 4 x 100mL	KP-53-00-02	171.00
SureBlue Reserve TMB Microwell Substrate (1 comp), 1000mL	KP-53-00-03	297.90
TMB Microwell Substrate (1 comp), 100mL	KP-52-00-01	41.30
TMB Microwell Substrate (1 comp), 400mL	KP-52-00-02	147.70
TMB Microwell Substrate (1 comp), 1000mL	KP-52-00-03	234.50
TMB Microwell Substrate (1 comp), 5000mL	KP-52-00-04	877.80
TMB Microwell Substrate (2 comp), 600mL	KP-50-76-00	142.20
TMB Microwell Substrate (2 comp), 2700mL	KP-50-76-03	539.10
ABTS Microwell Substrate (1 comp), 100mL	KP-50-66-18	41.30
ABTS Microwell Substrate (1 comp), 600mL	KP-50-66-00	168.00
ABTS Microwell Substrate (1 comp), 1000mL	KP-50-66-06	248.00
ABTS Substrate System (2 comp), 600mL	KP-50-62-00	144.00
ABTS Substrate System (2 comp), 2700mL	KP-50-62-01	434.00
Phosphatase		
pNPP Phosphatase Substrate (2 comp.), 100 tabs & DEA buffer, 500mL	KP-5080-00	155.40

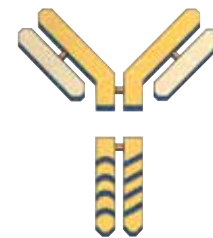


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KPL's Affinity Purified Antibodies

Serum adsorbed secondary antibodies



Improve your assay performance even further with ReserveAP™-labelled Antibodies!

KPL's ReserveAP™ Alkaline Phosphatase-labelled Conjugates provide a performance edge over standard alkaline phosphatase conjugates. They are several orders of magnitude more potent than the standard line of AP conjugates.

Unlabelled Antibodies

DESCRIPTION	CAT. NO.	PRICE	BUY 2 OR MORE
Goat Anti-Human IgE(e), 1.0mg	KP-01-10-04	\$243.00	\$218.70

Alkaline Phosphatase (AP) – Labelled Antibodies

DESCRIPTION	CAT. NO.	PRICE	BUY 2 OR MORE
Goat Anti-Human IgG(H+L), 0.1mg	KP-05-10-06	\$58.00	\$52.20

Reserve Alkaline Phosphatase (ReserveAP) – Labelled Antibodies

DESCRIPTION	CAT. NO.	PRICE	BUY 2 OR MORE
Goat Anti-Human IgA(a), 1.0mg	KP-0751-1001	\$275.00	\$247.50
Goat Anti-Human IgG(H+L), 1.0mg	KP-0751-1002	275.00	247.50
Goat Anti-Mouse IgG(H+L), 1.0mg	KP-0751-1806	237.00	213.30
Goat Anti-Rabbit, IgG(H+L), 1.0mg	KP-0751-1506	239.00	215.10
Goat Anti-Swine IgG(H+L), 0.5mg	KP-151-14-06	147.00	132.30
Rabbit Anti-Goat IgG(H+L), 0.5mg	KP-151-13-06	150.00	135.00

Horseradish Peroxidase (HRP) – Labelled Antibodies

DESCRIPTION	CAT. NO.	PRICE	BUY 2 OR MORE
Goat Anti-Bovine IgG(H+L), 0.5mg	KP-14-12-06	\$71.00	\$63.90
Goat Anti-Bovine IgM(u), 0.1mg	KP-04-12-03	60.00	54.00
Rabbit Anti-Goat IgG(H+L), 0.5mg	KP-14-13-06	72.00	64.80
Goat Anti-Human IgA(a), 0.5mg	KP-14-10-01	97.00	87.30
Goat Anti-Human IgE(e), 1.0mL	KP-074-1004	266.00	239.40
Goat Anti-Human IgA+IgG+IgM(H+L), 1.0mg	KP-074-1007	111.00	99.90
Goat Anti-Mouse IgG(H+L), HSA, 1.0mg	KP-074-1806	92.00	82.80
Goat Anti-Mouse IgG(g), HSA, 1.0mg	KP-074-1802	228.00	205.20
Goat Anti-Mouse IgM(u), HSA, 1.0mg	KP-074-1803	193.00	173.70
Goat Anti-Mouse IgG(H+L), liq, HSA, 1.0mL	KP-474-1806	137.00	123.30
Goat Anti-Rabbit IgG(H+L), 1.0mg	KP-074-1506	98.00	88.20
Goat Anti-Rabbit IgG(H+L), liq, 1.0mL	KP-474-1506	137.00	123.30
Rabbit Anti-Sheep IgM(u), 0.1mg	KP-04-23-03	60.00	54.00
Rabbit Anti-Sheep IgG(H+L), 0.5mg	KP-14-23-06	121.00	108.90

In addition to commonly used secondary antibodies, KPL's product range includes secondary antibodies to cat, chicken, deer, dog, duck, ferret, guinea pig, hamster, horse, raccoon, turkey and more... Call Technical Support at 1-888-883-3636 or email technicalsupport@mandel.ca for information

BacTrace® Antibodies To Bacteria & Bacterial Antigens

BacTrace antibodies are prepared by a proprietary method which is defined to yield antibodies that are highly specific for the target antigens. They recognize both cell surface and intracellular antigens of bacterial cells and can detect nanogram amounts of bacterial antigens.

They are available unlabelled and labelled with alkaline phosphatase, horseradish peroxidase or fluorescein. BacTrace antibodies are produced in goats.

DESCRIPTION	CAT. NO.	PRICE	BUY 2 OR MORE
Goat Anti-Campylobacter species unlabelled, 1.0mg	KP-01-92-93	\$458.00	\$412.20
Goat Anti-Campylobacter species Alkaline Phosphatase-Labelled, 0.1mg	KP-05-92-93	250.00	225.00
Goat Anti-E.coli, O157 unlabelled, 1.0mg	KP-01-95-90	458.00	412.20
Goat Anti-E.coli, O157 Horseradish Peroxidase-Labelled, 0.1mg	KP-04-95-90	229.00	206.10
Goat Anti-E.coli, O157 Fluorescein-Labelled, 0.5mg	KP-02-95-90	312.00	280.80
Goat Anti-E. coli O157:H7 Biotin Labeled, Lyophilized, 0.5mg	KP-16-95-90	193.00	173.70
Goat Anti-Helicobacter pylori unlabelled, 1.0mg	KP-01-93-94	383.00	344.70
Goat Anti-Listeria genus specific Horseradish Peroxidase-Labelled, 0.1mg	KP-04-90-90	276.00	248.40
Goat Anti-Listeria genus specific antibody ReserveAP Alkaline Phosphatase-Labelled, 0.1mg	KP-051-90-90	294.00	264.60
Goat Anti-Listeria genus specific antibody Fluorescein-Labelled 0.5mg	KP-02-90-90	360.00	324.00
Goat Anti-Listeria genus specific unlabelled, 1.0mg	KP-01-90-90	406.00	365.40
Goat Anti-Renibacterium salmoninarum unlabelled, 1.0mg	KP-01-96-91	383.00	344.70
Goat Anti-Renibacterium salmoninarum Horseradish Peroxidase-Labelled, 0.1mg	KP-04-96-91	208.00	187.20
Goat Anti-Renibacterium salmoninarum Fluorescein-Labelled, 0.5mg	KP-02-96-91	297.00	267.30
Goat Anti-Salmonella (CSA-1), unlabelled, 1.0mg	KP-01-91-99	552.00	496.80
E.coli O157:H7 Positive Control Antigen, 1.0mL	KP-50-95-90	143.00	128.70
Listeria, genus specific Positive Control Antigen, 1.0mL	KP-50-90-90	150.00	135.00
Renibacterium salmoninarum Positive Control Antigen, 1.0mL	KP-50-96-91	140.00	126.00

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Histomark TrueBlue® TMB Peroxidase Substrate

TrueBlue is up to 100 times more sensitive than DAB, and is free of known carcinogens. The strong blue reaction product provides excellent contrast with DAB and other substrates. Histomark TrueBlue provides the most sensitive means available to detect peroxidase-labeled conjugates. Because of its high sensitivity, TrueBlue is recommended for detection of the least-abundant marker in immunohistochemistry applications. TrueBlue is alcohol and xylene insoluble.

- 50 – 100 times more sensitive than DAB (diaminobenzidine)
- Enables extremely high dilutions of costly primary antibodies
- String blue colour provides excellent contrast with red counterstains
- One reagent: no mixing or diluting
- Free of known carcinogens



DESCRIPTION	CAT. NO.	SPECIAL
TrueBlue Substrate, 10mL (trial size)	KP-71-00-67	\$21.70
TrueBlue Substrate, 50mL (125 to 250 slides)	KP-71-00-64	49.70
TrueBlue Substrate, 200mL (500 to 1,000 slides)	KP-50-78-02	133.00

Order your KPL Product Listing



Affinity Purified Antibodies and Conjugates, Protein Detection by ELISA, Blotting and Immunohistochemistry, Nucleic Acid Labelling and Detection.

Contact:
literature@mandel.ca
or 1-888-883-3636

Blocking & Stop Solutions

DESCRIPTION	CAT. NO.	PRICE	BUY 2 OR MORE
10% BSA Diluent/Blocking Solution Concentrate, 200mL	KP-50-61-00	\$153.00	\$137.70
10% BSA Diluent/Blocking Solution Concentrate, 1000mL	KP-50-61-10	669.00	602.10
Milk Diluent/Blocking Solution Concentrate (2% nonfat dry milk in borate buffer), 200mL	KP-50-82-01	166.00	149.40
ABTS Stop Solution, 200mL	KP-50-85-01	65.00	58.50
TMB 1-Component Stop Solution, 400mL	KP-50-85-05	87.00	78.30
TMB 1-Component Stop Solution, 1000mL	KP-50-85-06	185.00	166.50
TMB BlueSTOP Solution, 1000mL	KP-50-85-41	211.00	189.90
Detector Block (5X), 240mL	KP-71-83-00	223.00	200.70
Normal Goat Serum (10%), 50mL	KP-71-00-27	169.00	152.10
Universal Block, 100mL	KP-71-00-61	246.00	221.40

Wash Solutions & Buffers

DESCRIPTION	CAT. NO.	PRICE	BUY 2 OR MORE
10X Coating Solution Concentrate (0.1M PBS and EDTA), 50mL	KP-50-84-00	\$54.00	\$48.60
Wash Solution Concentrate (20X) contains imidazole-buffered saline and Tween 20, 800mL	KP-50-63-00	125.00	112.50
Wash Solution Concentrate (20X) contains imidazole-buffered saline and Tween 20, 1000mL	KP-50-63-04	131.00	117.90

Classic Blue Film BX

- Double emulsion
- High signal sensitivity
- For autoradiography of ^{32}P , ^{33}P , ^{35}S , ^{125}I and ^{14}C
- Publishable grade autoradiographs
- Optimized for chemiluminescence
- Use with calcium tungstate or blue rare earth screens



Classic Blue Film BX

DESCRIPTION	CAT. NO.	PRICE
CLASSIC BLUE FILM BX		
5 x 7", 100/pk	MSF-BX57	\$99.00
8 x 10", 100/pk	MSF-BX810	129.00
14 x 17", 100/pk	MSF-BX1417	329.00

Savant DNA120 SpeedVac® Concentrator

High performance concentration and drying of small-volume DNA/RNA samples



Cat. No. SAV-DNA120-115

- Corrosion resistant, TEFLON®-coated chamber provides years of lasting service
- Built-in oil-free ETFE vacuum pump provides maintenance-free operation
- Integrated and compact design
- Extremely quiet operation
- Three temperature settings: ambient, medium (~43°C), high (~65°C)
- Dual digital timers for independent control of heat and run times
- Can accommodate up to 72 x 0.5mL microtubes or two shallow-well microplates (with optional RH2MP rotor)

Mandel Scientific Company Inc. offers a complete range of vacuum concentration and freeze drying solutions. Please contact your Mandel representative or call Technical Support at 1-888-883-3636 for more information.

For pricing, please contact us at 1-888-883-3636 or email technicalsupport@mandel.ca

Savant ISS110 SpeedVac® Concentrator

A high capacity DNA SpeedVac designed for efficient processing of large batches of DNA/RNA samples.

Applications

- Aqueous solvents
- Non-aggressive organic solvents (ethanol, methanol, acetonitrile)
- Acid concentrations less than 1.0N (TFA, HCl, nitric acid)

- ETFE-coated vacuum pump
- 4-litre, -50°C refrigerated vapour trap
- Temperature control: ambient, medium, high
- Accommodates up to 120 x 1.5mL microtubes (with optional RH120-11 rotor) and shallow-well microplates (with optional RH2MP rotor)
- Many optional rotors available
- System includes two GCF400 Glass Flasks and one RH64-11 rotor
- Recommended for processing of DNA/RNA and other samples in aqueous or non-aggressive solvents, such as methanol, ethanol and acetonitrile



Cat. No. SAV-ISS110-115

Mandel Agarose

Mandel agarose is refined using an advanced process that excludes the use of organic solvents, yielding a cleaner end-product with a significantly reduced environmental impact.

- Multi-purpose, high purity
- Enhanced resolution and clarity
- Reduced background
- Low EEO/increased electrophoretic mobility
- RNase, DNase, Protease-free
- High hysteresis, improved thermal stability
- Used for analyses of proteins and nucleic acids of various sizes (150 bp to 6 kbp)



SPECIAL
\$349
Buy one, get one free!
 Applies exclusively to 500g bottle.
 PROMO CODE: MS-AGAROSE

DESCRIPTION	CAT. NO.	SPECIAL
Agarose LE, Organic Solvent Free, 500g – 2pks	DEL-5000	\$349.00
Agarose LE, Organic Solvent Free, 100g	DEL-5002	76.50
Agarose LE, Organic Solvent Free, 25g	DEL-5001	28.50

Agarose I™

All-purpose,
high purity agarose

Separation range:
250 – 22,000bp

Agarose 3:1 HRB™

High resolution blend:
ideal for PCR products

Separation range:
50 – 2,000bp

Agarose SFR™

Super fine resolution,
low melting agarose

Separation range:
20 – 2,000bp

Agarose LF™

Optimized for Large Fragment
Electrophoresis (PFGE)

Separation range:
1,000 – 40,000bp

AMRESCO®

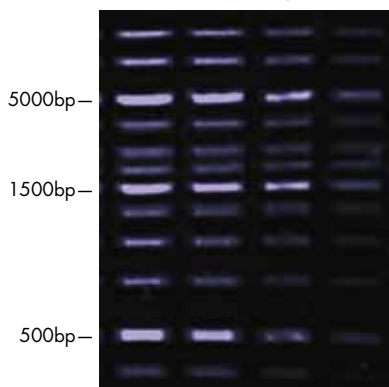
Agarose

DESCRIPTION	SIZE	CAT. NO.	SPECIAL
Agarose I™ Biotechnology Grade	25g	AMR-0710-25G	\$42.00
	100g	AMR-0710-100G	110.60
	500g	AMR-0710-500G	342.00
Agarose 3:1 HRB™ Biotechnology Grade	25g	AMR-E776-25G	57.00
	100g	AMR-E776-100G	182.00
	250g	AMR-E776-250G	385.00
Agarose SFR™ Biotechnology Grade	25g	AMR-J234-25G	88.00
	100g	AMR-J234-100G	219.00
	250g	AMR-J234-250G	517.00
Agarose LF™ Biotechnology Grade	25g	AMR-X174-25G	41.00
	100g	AMR-X174-100G	148.00
	250g	AMR-X174-250G	329.00

EZ-VISION™

Fluorescent Dye as
Loading Buffer

1 2 3 4



EZ-Vision™ is a non-mutagenic, fluorescent reagent that produces instant visualization of DNA bands upon UV illumination of agarose gels. Supplied in Amresco's 6X DNA Loading Buffer.

AMRESCO®

EZ-Vision-stained 1kb ladder.

Results – Courtesy of Dr. Mary Cismowski at NEOUCOM.
EZ-Vision staining of 1kb DNA ladder on 1% agarose gel run in TAE buffer. Markers were mixed with EZ-Vision™ and aliquots were loaded as follows:
Lane 1: 1.00µg,
Lane 2: 0.75µg,
Lane 3: 0.50µg,
Lane 4: 0.25µg.
The gel was run at 135 volts for 1 hour. DNA bands were visualized by exposure to UV light.

EZ-Vision Three:

Includes 3 tracking dyes that migrate at 4000bp, 400bp, and 10bp on a 1% agarose gel

EZ-Vision Two:

Includes 2 tracking dyes that migrate at 4000bp and 400bp on a 1% agarose gel

EZ-Vision One:

Includes 1 tracking dye that migrates at 10bp on a 1% agarose gel

PRODUCT	SIZE	CAT. NO.	SPECIAL
EZ-Vision Three	5 x 1 mL	AMR-N313-KIT	\$129.00
EZ-Vision Three	0.3mL	AMR-N313-Q-SAMPLE	24.00
EZ-Vision Two	5 x 1 mL	AMR-N650-KIT	129.00
EZ-Vision Two	0.3mL	AMR-N650-Q-SAMPLE	24.00
EZ-Vision One	5 x 1 mL	AMR-N472-KIT	129.00
EZ-Vision One	0.5mL	AMR-N472-Q-0.5ML	24.00
EZ-Vision Sample Kit Includes EZ-Vision Three (1mL) and EZ-Vision One (1mL)	2 x 1 mL	AMR-N473-2PK	55.00

**Ethidium Bromide
Solutions**

Eliminate hazardous shipping fees
with easy-to-use dropper bottle!



Safe,
easy-to-use
dropper bottle

Destaining Bags

For ethidium bromide

DESCRIPTION	CAT. NO.	SPECIAL
Ethidium Bromide, Dropper Bottle (0.625mg/mL) A safe solution for easy gel preparation, use 1 drop per 50mL of gel	AMR-E406-5ML	\$23.00
Ethidium Bromide, Stock Solution (10mg/mL) A convenient stock concentrate	AMR-X328-10ML	31.00
Destaining Bags – 25 bags	AMR-E732-25	86.00

Extractor®

Ethidium bromide waste
reduction system

For the rapid
removal of ethidium
bromide from gel
staining solutions.



- >99% removal of EtBr in a single pass. Up to ten successive litres can be decontaminated before the device is exhausted
- Chemically resistant polypropylene housing is ideal for solutions containing organics

DESCRIPTION	CAT. NO.	PRICE	BUY 2 OR MORE
Extractor®, 2/pkg.	W-10448030	\$61.00	\$54.90

NEXT GEL™

A REVOLUTION IN RESOLUTION

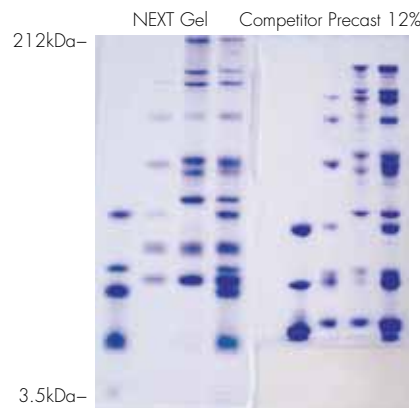


- No stacking gel required!
- Resolve a 14.2kDa band from a 14.4kDa band on a mini-gel
- Cost-effective alternative to gradient gels
- >1-year room stability

Ready-to-pour liquid stable solution of acrylamide for SDS-PAGE

DESCRIPTION	MOLECULAR WEIGHT SEPARATION RANGE	CAT. NO.	SPECIAL
NEXT Gel 5%*	30 – 500 kDa	AMR-M254-100ML	\$30.00
		AMR-M254-500ML	100.00
NEXT Gel 7.5%*	20 – 300 kDa	AMR-M255-100ML	30.00
		AMR-M255-500ML	100.00
NEXT Gel 10%*	10 – 200 kDa	AMR-M256-100ML	30.00
		AMR-M256-500ML	100.00
NEXT Gel 12.5%*	3.5 – 100 kDa	AMR-M257-100ML	30.00
		AMR-M257-500ML	100.00
NEXT Gel 15%*	2.5 – 100 kDa	AMR-M258-100ML	30.00
		AMR-M258-500ML	100.00
NEXT Gel Trial Kit Includes: each NEXT Gel concentration, 30mL; NEXT Gel running buffer, 250mL; sample loading buffer, 1mL		AMR-M261-KIT	32.00

* Includes NEXT Gel™ running buffer



Protein MW Markers (Low, Mid/Low, Wide and mixture of all 3) were loaded on a NEXT Gel (10%) and a comparable gel from a competitor. The NEXT Gel shows full range proteins resolved from 212kDa to 3.5kDa, without the need for gradient gels. The competitor gel provided satisfactory separation of proteins from 212kDa to 14kDa only, and with less resolution and clarity.



Pre-mixed Acrylamide and bis-Acrylamide Solutions

For customized PAGE of protein

- Eliminate hazardous handling of powder
- Reproducible and consistent results

DESCRIPTION	COMPOSITION	SIZE	CAT. NO.	SPECIAL
Acryl/Bis™ 37.5:1, Solution	40% solution containing 38.96% (w/v) acrylamide and 1.04% (w/v) bis-acrylamide. Monomer to cross-linker ratio: 37.5:1	500mL	AMR-0254-500ML	\$51.00
Acryl/Bis™ 29:1, Solution	40% solution containing 38.67% (w/v) acrylamide and 1.33% (w/v) bis-acrylamide. Monomer to cross-linker ratio: 29:1	500mL	AMR-0311-500ML	60.00
Acryl/Bis™ 19:1, Solution	40% solution containing 38% (w/v) acrylamide and 2% (w/v) bis-acrylamide. Monomer to cross-linker ratio: 19:1	500mL	AMR-0496-500ML	46.20

Ammonium Persulfate & TEMED

Fast & easy polymerization of acrylamide mixtures

- Available in ready-to-use tablets – no weighing required!



DESCRIPTION	CAT. NO.	SPECIAL
Ammonium Persulfate (APS), 100mg tablets	AMR-K833-100TABS	\$34.00
Ammonium Persulfate (APS)	AMR-0486-25G	14.00
	AMR-0486-100G	29.00
	AMR-0761-25ML	19.00
TEMED	AMR-0761-50ML	31.00
	AMR-0761-100ML	52.00
APS/TEMED tablets	AMR-N310-100TAB	72.00

Biological Buffers etc

TBE, TAE, HEPES Free Acid, Tris, Nuclease-Free Water

Convenient packaging options minimize weighing and mixing.

DESCRIPTION	CONC.	SIZE	CAT. NO.	SPECIAL
OPTIMIZED FOR DNA ELECTROPHORESIS USING BOTH ACRYLAMIDE AND AGAROSE				
TBE Buffer, 10X Liquid Concentrate	10X	4L	AMR-0658-4L	\$72.80
TBE Buffer, 5X Liquid Concentrate	5X	1L	AMR-J885-1L	22.40
TBE Buffer, 10X Ready-Pack™	10X	2pk x 1L	AMR-J490-2PK	44.00
FOR AGAROSE GEL ELECTROPHORESIS				
TAE Buffer, 25X Liquid Concentrate	25X	1.6L	AMR-0796-1.6L	\$68.00
TAE Buffer, 50X Liquid Concentrate	50X	1.6L	AMR-K915-1.6L	130.40
HEPES Free Acid, Powder, 1kg	-	1kg	AMR-0511-1KG	418.40
Tris, Ultra Pure Grade > 99.9% Purity, Protease & Nuclease-free, Powder	-	500g	AMR-0497-500G	42.40
	-	1kg	AMR-0497-1KG	67.20
	-	5kg	AMR-0497-5KG	291.20
Water, Sterile, Nuclease-free	-	500mL	AMR-E476-500ML	34.40

Enduro™ Gel XL Complete Electrophoresis System

With built-in power supply

- Gel tank with vented lid
- Digital power supply
- Gel trays (1 large and 2 small)
- Multi-channel compatible, reversible combs
- Casting stand



Labnet
Labnet International, Inc.

Specifications

Gel capacity	Large (12.5 x 12cm): 1 each Small (12.5 x 6cm): 2 each Micro (6 x 6cm): 4 each
Max. sample capacity	112 samples
Buffer capacity	300mL
Timer	99 hrs., 59 min. or continuous
Output current	10 – 400mA
Output voltage	10 – 150V
Input voltage	IAC 100 – 240V, 50/60Hz
Gel tank (W x D x H)	18.3 x 16.4 x 5.6cm
Power supply (W x D x H)	7.5 x 17 x 6.2cm
Overall dimensions (W x D x H)	2405 x 17 x 6.2cm
Warranty	1 year

DESCRIPTION	CAT. NO.	PRICE	SPECIAL
Enduro Gel XL Complete Electrophoresis System	NLE-E0160	\$577.00	\$432.75
Large Gel Tray Set (12.5 x 12cm), 2/pkg.	NLE-E0161	30.00	22.50
Small Gel Tray Set (12.5 x 6cm), 2/pkg.	NLE-E0162	30.00	22.50
Micro Gel Tray Set (6 x 6cm), 4/pkg.	NLE-E0163	42.00	31.50
Large Comb Set, 14/28 teeth, reversible, 2/pkg.	NLE-E0164	42.00	31.50
Small Comb Set, 5/8 teeth, reversible, 2/pkg.	NLE-E0165	42.00	31.50
Micro Casting Set, includes 4 micro gel trays, 2 small combs and a casting stand	NLE-E0166	141.00	105.75
Casting Stand, for all gel sizes	NLE-E0167	42.00	31.50
Standard Casting Set (1 large and 2 small gel trays, 4 large combs, and casting stand)	NLE-E0168	147.00	110.25

Additional spacers, combs and plates are available.
Please contact Technical Support at 1-888-883-3636
or e-mail technicalsupport@mandel.ca

Enduro Horizontal Electrophoresis Systems

- Available in a variety of sizes from mini to maxi
- Shape of lid encourages recycling of condensed buffer
- Removal of safety lid disconnects power from the system
- Side tabs and pressure pads for easy, safe lid removal
- Protective electrode cassettes



NAME	DESCRIPTION	GEL SIZE	UNIT SIZE	BUFFER VOLUME	MAX. SAMPLES	SUPPLIED COMBS	CAT. NO.	PRICE	SPECIAL
Enduro 7.7	Ideal for quick runs and low to medium throughput	7 x 7cm	9 x 21 x 9cm	225mL	32	2 x 8-tooth	NLE-1007-7	\$340.00	\$255.00
Enduro 7.10	Small footprint with longer gel for higher sample throughput or better resolution	7 x 10cm	9 x 21 x 9cm	225mL	64	3 x 8-tooth	NLE-1007-10	354.00	265.50
Enduro 10.10	Ideal for quick checks of samples from PCR products; medium throughput	10 x 10cm	12.5 x 22 x 9cm	300mL	100	2 x 10-tooth*	NLE-1010-10	369.00	276.75

*Denotes multichannel compatible combs

Enduro™ Power Supplies

- Operating modes include constant voltage, or constant current with automatic crossover
- 250V model also offers constant power operating mode
- Short circuit and over current/over voltage protection
- No load and load change detection system
- Programming includes option for automatic recovery after power failure
- 3 YEAR WARRANTY

DESCRIPTION	CAT. NO.	PRICE	SPECIAL
Model 300V	NLE-E0303	\$513.00	\$384.75
Model 250V	NLE-E0203	949.00	711.75



Horizon® 58

Electrophorese submerged agarose mini-gels (5.7 × 8.3cm) for the rapid separation of nucleic acids



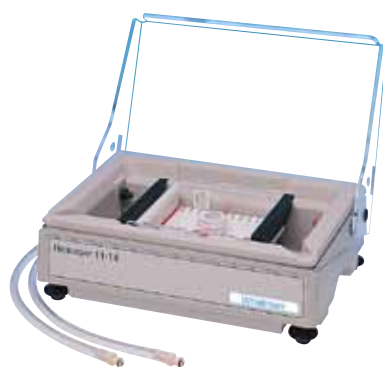
- Electrophoresis completed in as little as 30 min.
- Patented drop-in casting dams allow gel to be cast in place without the use of tape
- Casting components withstand boiling agarose temperatures
- Safety interlock lid
- Removable gel deck with red visualization strips to aid in sample loading
- Removable buffer tray for easy cleaning

DESCRIPTION	CAT. NO.	PRICE	SPECIAL
Horizon® 58 Gel Electrophoresis Apparatus	BM-41060039	\$764.00	\$573.00
Horizon® 58 Gel Casting System*	BM-21065040	288.00	216.00
Buffer tray	BM-21065024	227.00	170.25
Replacement electrode	BM-21059027	48.00	36.00
Gel casting tray	BM-21065164	60.00	45.00
ANALYTICAL DELRIN® COMBS			
5-tooth: 1.5mm thick, 50µL per slot	BM-21065107	\$58.00	\$43.50
8-tooth: 0.8mm thick, 15µL per slot	BM-21065073	58.00	43.50
8-tooth: 1.5mm thick, 25µL per slot	BM-21065081	58.00	43.50
14-tooth: 0.8mm thick, 7µL per slot	BM-21065115	58.00	43.50
14-tooth: 1.5mm thick, 13µL per slot	BM-21065123	58.00	43.50
12-tooth: 1.5mm thick (4.5mm spacing), 15µL per slot, for use with multichannel pipette	BM-11951142	58.00	43.50
PREPARATIVE DELRIN® COMBS			
1.5mm thick with marker lanes, 250µL per slot	BM-21065131	\$58.00	\$43.50
REPLACEMENT POWER CORDS			
Power cords, 48in, pair	BM-11099025	\$133.00	–

* The Horizon® 58 Gel Casting System is a stand-alone system for casting 5.7 x 8.3cm agarose gels while the Horizon 58 apparatus is in use.

Horizon® 11•14

Electrophorese submerged agarose gels (11 × 14cm) for the rapid separation of nucleic acids

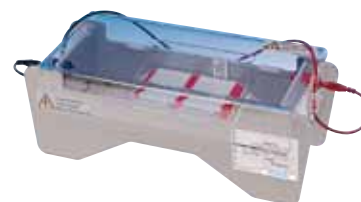


- Patented drop-in casting dams allow gel to be cast in place without the use of tape
- Casting components withstand boiling agarose temperatures
- Safety interlock lid
- Removable gel deck with red visualization strips to aid in sample loading
- Adjustable leveling feet and bull's eye level ensure uniform gel thickness for reproducible separation patterns
- Quick-connect fittings allow easy connection for buffer recirculation

DESCRIPTION	CAT. NO.	PRICE	SPECIAL
Horizon® 11•14	BM-11068020	\$880.00	\$660.00
Replacement electrode	BM-11068061	127.00	95.25
UVT Tray (11.0 x 14.0 x 2.0cm)	BM-11084019	128.00	96.00
ANALYTICAL DELRIN® COMBS FOR HORIZON 11•14 AND H5 ELECTROPHORESIS SYSTEM			
10-tooth: 1.0mm thick, 33µL per slot	BM-11951068	\$63.00	\$47.25
10-tooth: 2.0mm thick, 66µL per slot	BM-11951084	63.00	47.25
14-tooth: 1.0mm thick, 20µL per slot	BM-31081011	63.00	47.25
14-tooth: 2.0mm thick, 40µL per slot	BM-31081029	63.00	47.25
20-tooth: 1.0mm thick, 16µL per slot	BM-11951076	63.00	47.25
20-tooth: 2.0mm thick, 32µL per slot	BM-11951092	63.00	47.25
12-tooth: 1.0mm thick (9.0mm spacing), for use with multichannel pipettes, 30µL per slot	BM-11951175	63.00	47.25
24-tooth: 2.0mm thick (4.5mm spacing), for use with multichannel pipettes, 22µL per slot	BM-11951159	63.00	47.25

Model H5 Electrophoresis System

Model H5 is designed for the separation of nucleic acids or proteins in submerged 11 × 14cm agarose gels



- Two buffer recirculation ports with fittings for recirculating the buffer
- Red well visualization strips aid in sample loading
- Removable UVT transparent gel tray aids in staining and photography
- Safety lid with attached power cords

DESCRIPTION	CAT. NO.	PRICE	SPECIAL
Model H5 Horizontal Gel Electrophoresis Apparatus	BM-21087010	\$648.00	\$486.00
Replacement electrode	BM-21087036	112.00	84.00
UVT Tray (11.0 x 14.0 x 2.0cm)	BM-11084019	128.00	96.00
ANALYTICAL DELRIN® COMBS-SAME AS HORIZON 11•14 -SEE TABLE ABOVE			

Blotting Paper



3MM Chr

Whatman 3MM Chr paper is the world's most widely used blotting paper. A medium thickness paper (0.34mm), it is used extensively for blotting in electrophoresis and for lifting of sequencing gels.

GB003

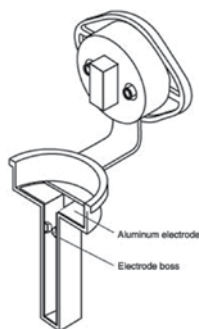
A general purpose blotting paper (0.8mm) with a high absorbency used as a membrane gel support. A thick paper recommended for the lysis/denaturation of colony or plaque lifts and Western blots.

- Southern, Northern and Western blots
- Dot- and slot-blots
- Lifting of sequencing gels
- Buffer wicking
- General laboratory use

GE Healthcare

DESCRIPTION	QTY./PKG.	CAT. NO.	SPECIAL
3MM CHR BLOTTING PAPER, 0.34mm			
23cm x 1m (roll)	1	W-3030-700	\$380.95
11 x 14cm sheet	100	W-3030-6185	26.60
15 x 20cm sheet	100	W-3030-6188	51.30
20 x 20cm sheet	100	W-3030-861	65.55
35 x 43cm sheet	100	W-3030-347	221.35
35 x 45cm sheet	100	W-3030-392	205.20
46 x 57cm sheet	100	W-3030-917	387.60
GB003 BLOTTING PAPER, 0.8mm			
15 x 15cm	100	W-10427810	58.90
15 x 20cm	100	W-10427812	75.05
20 x 20cm	100	W-10427818	97.85
46 x 57cm	100	W-10427826	570.00

Disposable Electroporation Chambers



Each chamber is individually wrapped and radiation sterilized.

Leak-proof, snap seal cap allows cells in the chamber to be resuspended by inverting.

Chambers are available in 2 different electrode gap sizes: 0.4cm (standard electroporation chambers) for use in electroporating plant or mammalian cells, and a 0.15cm gap (microelectroporation chambers) for use in electroporating yeast or bacterial cells.

DESCRIPTION	GAP SIZE	MAX FIELD STRENGTH	WORKING VOLUME	CAT. NO.	PRICE	SPECIAL
Standard Electroporation Chamber (50/pkg.)	0.4cm	1 kV/cm	0.25–1.0mL	BM-11601028	\$311.00	\$264.35
Micro Electroporation Chamber (50/pkg.)	0.15cm	16.6kV/cm	0.25mL	BM-11608031	288.00	244.80



Mandel Syringe Filters

DESCRIPTION	CAT. NO.	SPECIAL
Nylon syringe filters, 13mm x 0.20µm, 500/pkg.	W-MAN-13N20/500	\$420.85
Nylon syringe filters, 13mm x 0.45µm, 500/pkg.	W-MAN-13N45/500	420.85
Nylon syringe filters, 25mm x 0.20µm, 500/pkg.	W-MAN-25N20/500	499.70
Nylon syringe filters, 25mm x 0.45µm, 500/pkg.	W-MAN-25N45/500	499.70
PTFE syringe filters, 13mm x 0.20µm, 500/pkg.	W-MAN-13T20/500	420.85
PTFE syringe filters, 13mm x 0.45µm, 500/pkg.	W-MAN-13T45/500	420.85
PTFE syringe filters, 25mm x 0.20µm, 500/pkg.	W-MAN-25T20/500	499.70
PTFE syringe filters, 25mm x 0.45µm, 500/pkg.	W-MAN-25T45/500	499.70
PVDF syringe filters, 13mm x 0.20µm, 500/pkg.	W-MAN-13P20/500	420.85
PVDF syringe filters, 13mm x 0.45µm, 500/pkg.	W-MAN-13P45/500	420.85
PVDF syringe filters, 25mm x 0.20µm, 500/pkg.	W-MAN-25P20/500	499.70
PVDF syringe filters, 25mm x 0.45µm, 500/pkg.	W-MAN-25P45/500	499.70

Please call Technical Support at 1-888-883-3636 or email technicalsupport@mandel.ca for information on other filter media choices

Media Choices

- Nylon
- Polytetrafluoroethylene
- Polyvinylidene fluoride

Also available in:

- Cellulose acetate
- Glass microfibre
- Polyethersulfone
- Polypropylene
- Polysulfone



US-1022-0600

Gel-loading Pipette Tips

DESCRIPTION	CAT. NO.	SPECIAL
Gel Loading 1–200µL round tip, 0.54mm OD, 5 racks of 204 tips, 1,020/pkg.	US-1022-0600	\$72.80
Gel Loading 1–200µL round tip, 0.54mm OD, 5 racks of 204 tips, sterile 1,020/pkg.	US-1022-0610	88.90
Gel Loading 1–200µL round tip, 0.54mm OD, bulk pkg. 1,000 tips	US-1022-0000	49.00
Gel Loading 1–100µL round filter tip, 0.54mm OD, 5 racks of 204, sterile, 1,020/pkg.	US-1022-0810	121.80
Gel Loading 1–200µL round tip, 0.57mm OD, 200 tips/rack	US-1252-0600	31.50
Gel Loading 0.5–200µL flat tip, 0.4mm OD, 200 tips/rack	US-1022-4600	58.80

Order 1-888-883-3636

MANDEL SCIENTIFIC COMPANY INC.

Order online!

Prices do not include applicable taxes and are subject to change without notice. Offers are valid until April 30, 2012 and cannot be combined with any other promos.

www.mandel.ca

Nytran[®] SuPerCharge and Nytran[®] N

GE Healthcare

Positively charged nylon membranes

Nytran[®] SuPerCharge (SPC) Nylon Membranes

- Very high positive charge nylon membranes
- Higher density of nylon/unit area provides increased binding sites
- Very uniform pore size and distribution gives greater reproducibility of results
- High signal with very low background

Nytran[®] N Nylon Membranes

- Lower charge membrane designed for Southern and Northern blotting, colony & plaque lifts & Dot/Slot blots

SIZE	QTY./PKG.	CAT. NO.	SPECIAL
NYTRAN[®] SUPERCHARGE NYLON MEMBRANE, 0.45µm			
20cm x 3m roll	1	W-10416294	\$423.90
30cm x 3m roll	1	W-10416296	452.70
11 x 14cm sheet	10	W-10416230	122.40
15 x 15cm sheet	10	W-10416284	189.90
20 x 20cm sheet	10	W-10416285	405.00
82mm circle	50	W-10416216	259.20
NYTRAN[®] N NYLON MEMBRANE, 0.2µm			
20cm x 3m roll	1	W-10416094	361.80
NYTRAN[®] N NYLON MEMBRANE, 0.45µm			
30cm x 3m roll	1	W-10416196	394.20

Westran[®] S

PVDF membranes for protein sequencing

- Very high protein binding capacity (over 200µg/cm²)
- 0.2µm pore size

SIZE	QTY./PKG.	CAT. NO.	SPECIAL
26cm x 3m roll	1	W-10413096	\$581.40
10 x 10cm sheet	10	W-10413052	160.20
15 x 15cm sheet	10	W-10485290	341.10
20 x 20cm sheet	10	W-10485291	441.00

Westran[®] Clear Signal

PVDF membranes for Western blotting

- High protein binding capacity (125µg/cm²)
- 0.45µm pore size

SIZE	QTY./PKG.	CAT. NO.	SPECIAL
30cm x 3m roll	1	W-10485289	\$448.20
20 x 20cm sheet	10	W-10485288	375.30

Membrane Marking Pen

DESCRIPTION	CAT. NO.	SPECIAL
Membrane Marking Pen, 10/pkg.	W-1049001	\$72.00

Protran[®]

Superior nitrocellulose membranes

- Best handling strength of all NC membranes
- 100% pure nitrocellulose ensures highest binding capacity



SIZE	QTY./PKG.	CAT. NO.	SPECIAL
BA79 - 0.1µm PORE SIZE (SMALLER MOLECULES BELOW 7KD)			
30cm x 3m roll	1	W-10402096	\$353.70
10.2 x 13.3cm sheet	1	W-10402088	189.00
20 x 20cm sheet	25	W-10402091	396.00
BA83 - 0.2µm PORE SIZE (SMALL SAMPLES BELOW 20KD)			
30cm x 3m roll	1	W-10401396C	405.00
10.2 x 13.3cm sheet	1	W-10402488	161.10
15 x 15cm sheet	5	W-10402405	99.90
20 x 20cm sheet	5	W-10402452	161.10
30 x 60cm sheet	5	W-10401380	451.80
33 x 56cm sheet	5	W-10402480	378.00
BA85 - 0.45µm PORE SIZE (LARGER MOLECULAR WEIGHT SAMPLES, MOST GENERAL NUCLEIC ACID WORK)			
15cm x 3m roll	1	W-10402594C	215.10
30cm x 3m roll	1	W-10401196C	333.90
10.2 x 13.3cm sheet	1	W-10402588	134.10
15 x 15cm sheet	5	W-10402606	93.60
25 x 25cm sheet	5	W-10402694	205.20
25mm circle	100	W-10402506	81.00
25mm circle	1,000	W-10402578	644.40
82mm circle	50	W-10401116	165.60
137mm circle	50	W-10402548	363.60

Optitran[®]

BA-S reinforced nitrocellulose membranes



- Nitrocellulose membrane with a polymer backing for additional handling strength
- Ideal for repeated screening – stands up to repeated stripping and reprobing

SIZE	QTY./PKG.	CAT. NO.	SPECIAL
OPTITRAN SUPPORTED NC, BA-S 83, 0.2µm PORE SIZE			
30cm x 3m roll	1	W-10439396	\$424.80
30 x 60cm sheet	5	W-10439380	408.60
OPTITRAN SUPPORTED NC, BA-S 85, 0.45µm PORE SIZE			
20cm x 3m roll	1	W-10439194	268.20
82mm circles	50	W-10439116	177.30
132mm circles	50	W-10439126	363.60

BioSpec-nano

UV-Vis Spectrophotometer

Quick and simple nucleic acid and protein quantitation

- Ultra-small sample volumes: 1 – 2 μ L
- Automated sample wipe
- Fast automated analysis – measurement takes seconds
- Xenon flash lamp source



BioSpec-mini

UV-Vis Spectrophotometer

Comprehensive nucleic acid and protein analyses

- Double and Single Stranded DNA and RNA Quantitation
- Oligo Length and Sequence Based Quantitation
- Protein Assays: Lowry, UV, BCA, Bradford
- Spectral scanning from 1100nm to 190nm
- Sample volumes as low as 5-10 μ L



UV-1800

UV-Vis Spectrophotometer

Powerful performance and functionality in a compact design

- Compact – only 450mm wide
- User-friendly – USB memory can be connected directly and data can be analyzed on a PC with UVProbe software
- Photometric mode – measures the absorbance or transmittance at a single wavelength or multiple wavelengths
- Spectrum mode – wavelength scanning
- Quantitation mode – generates a calibration curve
- Kinetics mode – measures change in absorbance or transmittance as a function of time



UV-2600/UV2700

Research-grade UV-Vis Spectrophotometers including Validation software for GLP/GMP



Single monochromator UV-2600

- Capable of measurement wavelengths up to 1400nm (NIR) when using the optional Integrating Sphere

Dual monochromator UV-2700

- Performance with a minimum 8-Abs photometric range

Starna Quartz Cells for UV/Vis & Fluorescence Spectrophotometers



POPULAR CELL SIZES			CAT. NO.	PRICE	SPECIAL
Quartz, standard 1cm square cell	10mm PL	3.5mL volume	SN-1/Q/10	\$84.00	\$71.40
Quartz, semi micro cell, black wall	10mm PL	1.4mL volume	SN-9/B/Q/10	210.00	178.50
Quartz 100 μ L cell	10mm PL	100 μ L volume	SN-16.100/Q/10/Z15	298.00	253.30
Quartz, fluorescence cell	10mm PL	3.5mL volume	SN-3/Q/10	159.00	135.15

A full range of Quartz Cells and Certified NIST Reference Materials is available - to request, please contact technical support at 1-888-883-3636 or email technicalsupport@mandel.ca.