

# BioXtra™ 2015

Selecting the right tools can have a big impact on your research results. Explore what BioXtra offers you.



Distributor  
GE Healthcare

# Working with cells

## > Cell filtration

### Whatman™ Puradisc syringe filters

Puradisc syringe filters combine premium quality and economy.

- Quick and efficient filtration of samples and buffers up to 100 ml volume in 4 mm and 30 mm filter sizes.
- Endotoxin-free according to LAL test (USPXXIII), sensitivity: 0.25 EU/ml.



## > Cell isolation

### Ficoll-Paque™ and Percoll™ density gradient media

Ready-to-use media for isolation of human lymphocytes with high yield from peripheral blood.

- Maintains viability and representative distribution of B and T lymphocytes.
- Low levels of endotoxin (< 0.12 EU/ml).



Product description	Ordering quantity to get your BioXtra price	BioXtra ordering code	Total list price for bundle (NZD)	BioXtra price for bundle (NZD)
Puradisc FP 30 mm Syringe Filter, Cellulose Acetate 0.2 µm, sterile 50/pk	2 packs	WHAT10462200	440.00	176.00
Puradisc FP 30 mm Syringe Filter, Cellulose Acetate 0.45 µm, sterile 50/pk	2 packs	WHAT10462100	440.00	176.00
Puradisc FP 30 mm Syringe Filter, Cellulose Acetate 0.2 µm, sterile 50/pk	4 packs	WHAT10462200	880.00	220.00
Puradisc FP 30 mm Syringe Filter, Cellulose Acetate 0.45 µm, sterile 50/pk	4 packs	WHAT10462100	880.00	220.00
Percoll 250 ml Density Gradient Media	3 packs	GEHE17-0891-02	849.00	679.20
Percoll 1 l Density Gradient Media	3 packs	GEHE17-0891-01	1,809.00	1,447.20
Ficoll-Paque Plus 6 × 100 ml Density Gradient Media	3 packs	GEHE17-1440-02	963.00	770.40
Ficoll-Paque Plus 6 × 500 ml Density Gradient Media	3 packs	GEHE17-1440-03	3,144.00	2,515.20
Benchkote™ Surface Protector, 460 × 570 mm, 50 sheets/pk	3 packs	WHAT2300-916	381.00	209.55

\* SB (stepped barb) inlet and outlet

Buy now:  
Up to  
20% off!

# Measuring samples

## > Cell density meter

### Ultrospec™ 10 cell density meter

Ultrospec 10 cell density meter measures the density of cells in suspension at 600 nm.

- Battery operated for use where cells are actually cultured.
- Easy to use, easy to clean, easy to sterilize.



## > Spectrophotometer

### NovaSpec™ Plus Spectrophotometer

A good value instrument for general laboratory use.

- "Flash Scan" diode array for rapid wavelength scans.
- Includes stored methods for protein analysis.



Product description	Ordering quantity to get your BioXtra price	BioXtra ordering code	Total list price (NZD)	BioXtra price (NZD)
Ultrospec 10 Classic Cell Density Meter	1 unit	GEHE80-2116-30	1,936.00	1,548.80
NovaSpec Plus Spectrophotometer	1 unit	GEHE80-2117-50	3,353.00	3 017.70
GeneQuant™ 100 Classic Spectrophotometer with Printer	1 unit	GEHE28-9182-05	7,259.00	6,533.10

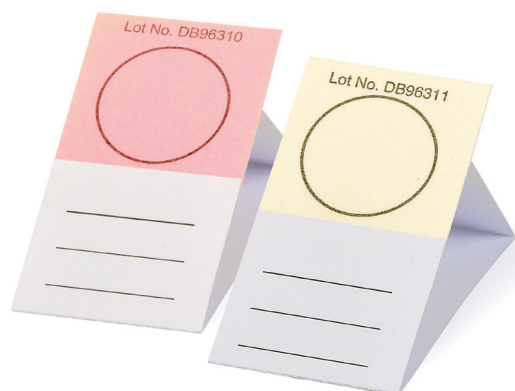
# Working with nucleic acids

## > Sample collection

### Whatman FTA™ sample collection cards

Whatman FTA cards provide long-term DNA stability at room temperature.

- Biosample collection.
- Transport and storage without the need for refrigeration.
- Uses and benefits of FTA demonstrated in more than 200 publications.



## > Sample preparation

### illustra™ RTG™ GenomiPhi™ DNA amplification kit

Kit offers a highly efficient and representative amplification of the whole genome.

- Shipping and storage at room temperature.
- 12 to 20 µg yield from nanogram amounts of DNA sample.



Product description	Ordering quantity to get your BioXtra price	BioXtra ordering code	Total list price for bundle (NZD)	BioXtra price for bundle (NZD)
FTA Micro Card 100/pk, 1 sample area per card	2 packs	WHATWB120210	660.00	561.00
FTA Micro Card 25/pk, 1 sample area per card	2 packs	WHATWB120310	181.28	154.09
Indicating FTA Micro Card 100/pk, 1 sample area per card	2 packs	WHATWB120211	812.00	690.20
Indicating FTA Micro Card 25/pk, 1 sample area per card	2 packs	WHATWB120311	212.18	180.35
illustra PureTaq RTG PCR*, 0.2 ml tube, hinged cap, 96 reactions	2 packs	GEHE27-9559-01	418.18	313.64
illustra PureTaq RTG PCR, 0.5 ml tube, 100 reactions	2 packs	GEHE27-9558-01	418.18	313.64
illustra PureTaq RTG PCR, 0.2 ml plate, 96 reactions	3 packs	GEHE27-9557-01	627.27	470.45
illustra GenomiPhi V2 DNA Amplification Kit, 100 reactions	2 packs	GEHE25-6600-31	1,556.00	1,167.00
illustra GenomiPhi V2 DNA Amplification Kit, 500 reactions	2 packs	GEHE25-6600-32	7,394.00	5,545.50



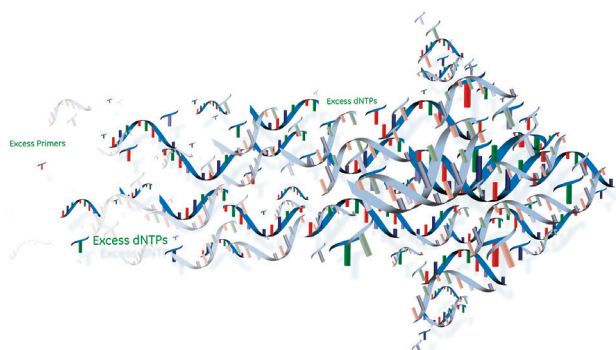
## PCR\* and clean-up

### illustra ExoProStar™ for PCR clean-up

Enzymatic PCR clean-up technology with illustra Exonuclease I and Alkaline Phosphatase to remove unincorporated primers and dNTPs.

- Fast (30 min) and easy to automate.
- No loss of PCR product.

\* See legal information on back page.



## Purification

### illustra GFX™ PCR DNA and Gel Band Purification Kit

Isolation and concentration of DNA fragments from PCR mixtures, agarose gel bands, and enzyme digests in under 10 min.

- Flexible elution volume for different DNA concentrations.
- DNA for use in sequencing, PCR, labeling, digestion, and cloning.



Product description	Ordering quantity to get your BioXtra price	BioXtra ordering code	Total list price for bundle (NZD)	BioXtra price for bundle (NZD)
illustra ExoProStar-1 Step (100 reactions), PCR clean-up technology	2 packs	GEHEUS77702	298.70	224.03
illustra ExoProStar-1 Step (500 reactions), PCR clean-up technology	2 packs	GEHEUS77705	1,184.00	888.00
illustra ExoProStar-1 Step (2000 reactions), PCR clean-up technology	2 packs	GEHEUS77720	4,240.00	3,180.00
illustra RNASpin Mini (50 preps), RNA Isolation Kit	2 packs	GEHE25-0500-71	742.00	556.50
illustra GFX PCR DNA and Gel Band Purification Kit, 100 purifications	2 packs	GEHE28-9034-70	600.00	420.00
illustra GFX PCR DNA and Gel Band Purification Kit, 250 purifications	1 pack	GEHE28-9034-71	704.00	528.00
illustra NAP-10 columns with Sephadex™ G-25, 50 columns	3 packs	GEHE17-0854-02	2,193.00	1,535.10
dNTP Set, 100 mM solutions (A, C, G, T), 4 × 100 µmol	2 packs	GEHE28-4065-52	1,846.00	1,384.50
dNTP Set, 100 mM solutions (A, C, G, T), 4 × 25 µmol	2 packs	GEHE28-4065-51	1,036.00	777.00

# Purifying proteins

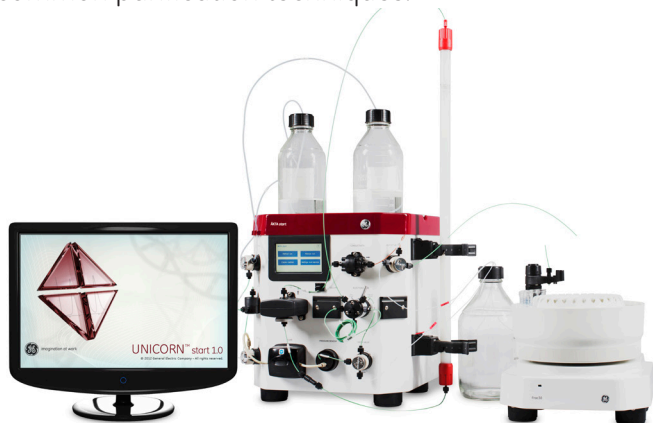
## > Purification system



### ÄKTA™ start chromatography system

ÄKTA start is an affordable, easy-to-use protein purification system that allows you to automate manual protein purification procedures in academic and educational labs.

- Intuitive touch-screen display and real-time monitoring.
- Compact solution for quick and reliable one-step purification.
- Quick start methods and templates for common purification techniques.



## > Antibody purification

### Protein A and Protein G Sepharose™

- High binding capacity Protein A and Protein G Sepharose media.
- Binds broad range of different species and subclasses of IgG.
- HiTrap™ format is designed for use with syringe, pump, or chromatography system such as ÄKTA chromatography or FPLC System.



Product description	Ordering quantity to get your BioXtra price	BioXtra ordering code	Total list price for bundle (NZD)	BioXtra price for bundle (NZD)
ÄKTA start – main instrument	1 unit	GEHE29-0220-94	10,056.00	9,050.40
Frac30 Fraction Collector	1 unit	GEHE29-0230-51	2,012.00	1,810.80
UNICORN™ start 1.0 software	1 unit	GEHE29-0187-51	1,341.00	1,206.90
HiTrap Protein A HP, 5 × 1 ml columns	1 pack	GEHE17-0402-01	1,168.00	934.40
HiTrap Protein A HP, 1 × 5 ml column	1 pack	GEHE17-0403-01	1,114.00	891.20
HiTrap Protein A HP, 5 × 5 ml columns	1 pack	GEHE17-0403-03	4,989.00	3,991.20
Protein A-Sepharose CL-4B 1.5 g	1 pack	GEHE17-0780-01	819.00	696.15
HiTrap Protein G HP, 5 × 1 ml columns	1 pack	GEHE17-0404-01	1,344.00	1,142.40
HiTrap Protein G HP, 1 × 5 ml column	1 pack	GEHE17-0405-01	1,260.00	1,071.00
Protein G Sepharose 4 FF, 5 ml	1 pack	GEHE17-0618-01	1,128.00	958.80



Check out the star products with the Lab results icon! The icon indicates where to find products which can have a big impact on your research.

## > Histidine-tagged protein purification

### Ni Sepharose

- Ni Sepharose FF and HP media and HisTrap™ HP and FF provide high binding capacity for your histidine-tagged proteins.
- HisTrap excel and Ni Sepharose excel will minimize ni-leakage, even when stripping agents are present in the sample.
- The "crude" pre-packed columns offer one-step purification directly from homogenized, unclarified cell lysate.



### TALON® Superflow™

- Cobalt-based TALON products are the first choice when the purity of your histidine-tagged protein is more important than yield.
- TALON Superflow binds histidine-tagged proteins with an enhanced specificity: it binds fewer unwanted proteins.



Product description	Ordering quantity to get your BioXtra price	BioXtra ordering code	Total list price (NZD)	BioXtra price (NZD)
HisTrap HP, 5 × 1 ml columns	1 pack	GEHE17-5247-01	356.00	302.60
HisTrap HP, 5 × 5 ml columns	1 pack	GEHE17-5248-02	1,247.00	1,059.95
Ni Sepharose HP, 25 ml	1 pack	GEHE17-5268-01	747.00	634.95
HisTrap FF, 5 × 1 ml columns	1 pack	GEHE17-5319-01	276.00	234.60
HisTrap FF, 5 × 5 ml columns	1 pack	GEHE17-5255-01	954.00	810.90
HisTrap FF crude, 5 × 1 ml columns	1 pack	GEHE11-0004-58	291.00	232.80
HisTrap FF crude, 5 × 5 ml columns	1 pack	GEHE17-5286-01	1,016.00	863.60
Ni Sepharose 6 FF, 25 ml	1 pack	GEHE17-5318-01	591.00	472.80
HisTrap excel, 5 × 1 ml columns	1 pack	GEHE17-3712-05	373.00	298.40
HisTrap excel, 5 × 5 ml columns	1 pack	GEHE17-3712-06	1,325.00	1,126.25
Ni Sepharose excel, 25 ml	1 pack	GEHE17-3712-01	750.00	637.50
HisTrap TALON crude, 5 × 1 ml columns	1 pack	GEHE28-9537-66	294.00	249.90
HisTrap TALON crude, 5 × 5 ml columns	1 pack	GEHE28-9537-67	1,026.00	872.10
TALON Superflow, 10 ml	1 pack	GEHE28-9574-99	263.00	223.55

> **GST-tagged protein purification****Glutathione Sepharose**

- Fast and simple one-step purification of GST-tagged proteins.
- Easy scale-up by connecting up to three HiTrap columns in series.

> **Desalting****Desalting in less than 1 min**

- Ready-to-use columns, prepacked with Sephadex G-25, for fast and convenient desalting and buffer exchange.
- Replaces dialysis as the method of choice for desalting.



Product description	Ordering quantity to get your BioXtra price	BioXtra ordering code	Total list price for bundle (NZD)	BioXtra price for bundle (NZD)
GSTrap™ HP, 5 × 1 ml columns	1 pack	GEHE17-5281-01	594.00	504.90
GSTrap HP, 5 × 5 ml columns	1 pack	GEHE17-5282-02	2,254.00	1,915.90
Glutathione Sepharose HP, 25 ml	1 pack	GEHE17-5279-01	1,250.00	1,062.50
GSTrap 4B, 5 × 1 ml columns	1 pack	GEHE28-4017-45	464.00	371.20
GSTrap 4B, 5 × 5 ml columns	1 pack	GEHE28-4017-48	1,718.00	1,374.40
Glutathione Sepharose 4B, 10 ml	1 pack	GEHE17-0756-01	383.00	325.55
Glutathione Sepharose 4B, 10 ml	2 packs	GEHE17-0756-01	766.00	651.10
GSTrap FF, 5 × 1 ml columns	1 pack	GEHE17-5130-01	544.00	435.20
GSTrap FF, 5 × 5 ml columns	1 pack	GEHE17-5131-02	2,001.00	1,700.85
Glutathione Sepharose 4 FF, 25 ml	1 pack	GEHE17-5132-01	1,144.00	972.40
Factor Xa (protease used to digest fusion proteins, 400 units)	1 pack	GEHE27-0849-01	921.00	736.80
PreScission™ Protease (protease used to digest fusion proteins, 500 units)	1 pack	GEHE27-0843-01	508.00	431.80
Thrombin (protease used to digest fusion proteins, 500 units)	2 packs	GEHE27-0846-01	1,052.00	894.20
Streptavidin Sepharose HP, 5 ml	1 pack	GEHE17-5113-01	812.00	690.20



Switch  
now!

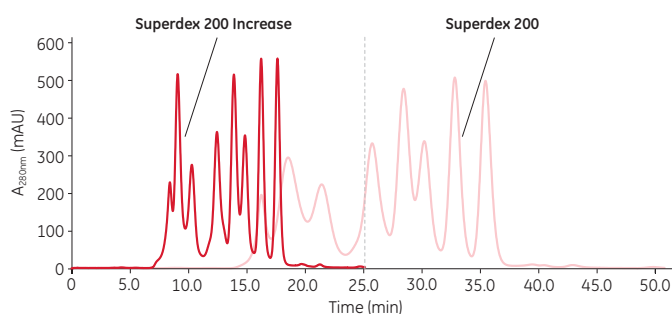
## &gt; Size exclusion chromatography



## Superdex™ 200 Increase and Superose™ 6 Increase

Replace your Superose 6 and Superdex 200 with Superdex 200 Increase and Superose 6 Increase columns for size exclusion chromatography and get up to 50% higher resolution to minimize artifacts in subsequent studies.

- Superdex 200 Increase columns: antibody purification and analysis.
- Superose 6 Increase: purification and analysis of large protein complexes.



Comparison of Superdex 200 Increase and Superdex 200.

Product description	Ordering quantity to get your BioXtra price	BioXtra ordering code	Total list price for bundle (NZD)	BioXtra price for bundle (NZD)
Superdex 200 Increase 10/300 GL	1 pack	GEHE28-9909-44	3,183.00	2,705.55
Superdex 200 Increase 5/150 GL	1 pack	GEHE28-9909-45	3,183.00	2,705.55
Superdex 200 Increase 3.2/300	1 pack	GEHE28-9909-46	4,085.00	3,472.25
Superose 6 Increase 10/300 GL	1 pack	GEHE29-0915-96	3,120.00	2,652.00
Superose 6 Increase 5/150 GL	1 pack	GEHE29-0915-97	3,120.00	2,652.00
Superose 6 Increase 3.2/300	1 pack	GEHE29-0915-98	4,004.00	3,403.40
PD 10 Desalting Columns, 30 columns	2 packs	GEHE17-0851-01	1,138.00	967.30
HiTrap Desalting, 5 × 5 ml columns	1 pack	GEHE17-1408-01	414.00	351.90
Sephadex G-25 medium 100 g	3 packs	GEHE17-0033-01	1,374.00	1,167.90
Sephadex G-50 medium 100 g	3 packs	GEHE17-0043-01	1,596.00	1,356.60
HiTrap Q HP, 5 × 1 ml columns	1 pack	GEHE17-1153-01	287.00	243.95
HiTrap Q HP, 5 × 5 ml columns	1 pack	GEHE17-1154-01	650.00	552.50



Check out the star products with the Lab results icon! The icon indicates where to find products which can have a big impact on your research.

## Whatman filtration products

### > Membrane filters

Regenerated cellulose is a hydrophilic membrane, suitable for use with either aqueous solutions or organic solvents.

- Very low protein binding.
- Excellent for protein recovery applications.
- Flat membranes for buffer filtration.
- Choice of pore sizes for chromatography sample and solvent preparation needs.



### > SPARTAN™ syringe filters

The regenerated cellulose membrane used in SPARTAN syringe filters is low protein binding and ensures reproducible results from the filtration of organic and aqueous solutions in HPLC.

- Choice of diameters and pore sizes.
- 13 mm filter for precious samples: extremely low dead volume < 10 µl. 30 mm for larger sample volumes.
- Documented batch-to-batch quality [www.gelifesciences.com/certificates](http://www.gelifesciences.com/certificates).



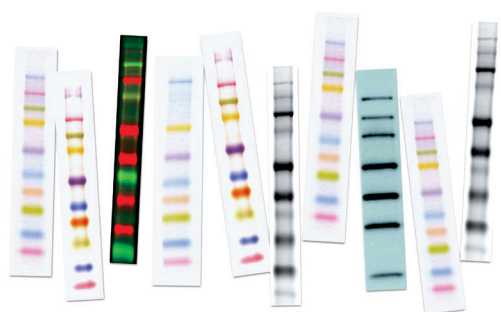
Product description	Ordering quantity to get your BioXtra price	BioXtra ordering code	Total list price for bundle (NZD)	BioXtra price for bundle (NZD)
RC55 Membrane Circles, Regenerated Cellulose, 0.45 µm, 47 mm, 100/pk	2 packs	WHAT10410212	1,726.00	863.00
RC55 Membrane Circles, Regenerated Cellulose, 0.45 µm, 50 mm, 100/pk	2 packs	WHAT10410214	706.00	353.00
SPARTAN 13 mm Syringe Filter, Regenerated Cellulose, 0.45 µm, with MiniTip outlet, 100/pk	2 packs	WHAT10463030	608.00	395.20
SPARTAN 30 mm Syringe Filter, Regenerated Cellulose, 0.2 µm, 500/pk	2 packs	WHAT10463062	2,752.00	1,788.80
SPARTAN 30 mm Syringe Filter, Regenerated Cellulose, 0.45 µm, 500/pk	1 pack	WHAT10463052	1,376.00	963.20

# Blotting

## > Gel electrophoresis

### Amersham™ ECL™ Rainbow™ Markers

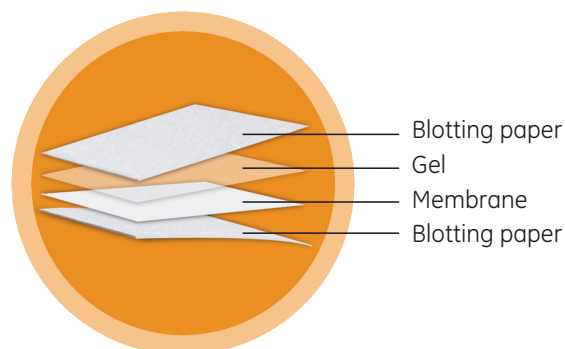
- Ready-to-load markers with sharp, intense bands on gels and blots enable monitoring of electrophoresis progress and convenient confirmation of transfer to blotting membranes.
- Comprises of 10 individually coloured proteins in the molecular weight range of 12 000 to 225 000.
- Each 250 µl pack size is sufficient for use with 50 minigels (10 × 8 cm) or 25 large gels (20 × 20 cm).



## > Blotting papers

### Whatman 3MM Chr blotting papers

- Pure cellulose produced entirely from the highest quality cotton linters with no additives of any kind.
- Ensures that no contamination will occur during the transfer steps.
- Whatman 3MM Chr considered the industry standard for blotting procedures.



Product description	Ordering quantity to get your BioXtra price	BioXtra ordering code	Total list price for bundle (NZD)	BioXtra price for bundle (NZD)
Amersham ECL Rainbow Marker - Full Range (M <sub>r</sub> 12 000 to 225 000), 250 µl	2 packs	GEHERPN800E	704.00	281.60
Amersham ECL Rainbow Marker - High Range (M <sub>r</sub> 12 000 to 225 000), 250 µl	2 packs	GEHERPN756E	708.00	283.20
Amersham ECL Rainbow Marker - Low Range (M <sub>r</sub> 3 500 to 38 000), 250 µl	2 packs	GEHERPN755E	708.00	283.20
3MM Chr Blotting Paper, 46 × 57 cm, 100 sheets/pk	3 packs	WHAT3030-917	1,605.00	963.00
3MM Chr Blotting Paper, 58 × 68 cm, 100 sheets/pk	3 packs	WHAT3030-931	2,544.00	1,526.40
3MM Chr Blotting Paper, 20 × 20 cm, 100 sheets/pk	2 packs	WHAT3030-861	264.44	211.55
Hybond Blotting Paper, 20 × 20 cm, 100 sheets/pk	2 packs	GEHERPN6101M	291.10	232.88

## > Blotting

### Amersham Protran™ nitrocellulose (NC) blotting membranes

- Amersham Protran membranes offer the advantage of low background in Western blotting, regardless of detection method used.
- Well-suited for applications where X-ray film is used for detection.
- Exceptional handling characteristics of Amersham Protran supported NC membranes allows for stripping and reprobing of the membrane.



### Amersham Hybond™ PVDF blotting membranes

High protein binding capacity results in high sensitivity.

- Suitable for Western blotting applications with stripping and reprobing.
- Amersham Hybond P recommended for chemiluminescence detection.
- Amersham Hybond LFP specifically optimized for fluorescence detection methods.



Product description	Ordering quantity to get your BioXtra price	BioXtra ordering code	Total list price for bundle (NZD)	BioXtra price for bundle (NZD)
Amersham Protran 0.45 µm NC, 300 mm × 4 m, 1 roll/pk	2 packs	GEHE10600002	860.00	688.00
Amersham Protran 0.2 µm NC, 300 mm × 4 m, 1 roll/pk	2 packs	GEHE10600001	1040.00	832.00
Amersham Protran Premium 0.45 µm NC, 300 mm × 4 m, 1 roll/pk	2 packs	GEHE10600003	886.00	708.80
Amersham Protran 0.1 µm NC, 300 mm × 4 m, 1 roll/pk	2 packs	GEHE10600000	1,184.00	947.20
Amersham Protran Supported 0.45 µm NC, 300 mm × 4 m, 1 roll/pk	2 packs	GEHE10600016	1,026.00	820.80
Amersham Protran Supported 0.45 µm NC, 200 mm × 4 m, 1 roll/pk	2 packs	GEHE10600018	762.00	609.60
Amersham Hybond P 0.45 µm PVDF, 300 mm × 4 m, 1 roll/pk	2 packs	GEHE10600023	960.00	768.00
Amersham Hybond P 0.2 µm PVDF, 260 mm × 4 m, 1 roll/pk	2 packs	GEHE10600021	1,048.00	838.40
Amersham Hybond LFP 0.2 µm PVDF, 254 mm × 4 m, 1 roll/pk	2 packs	GEHE10600022	1,564.00	1,251.20
Amersham Hybond LFP 0.2 µm PVDF, 200 mm × 200 mm, 10 sheets/pk	2 packs	GEHE10600060	870.00	696.00



Check out the star products with the Lab results icon! The icon indicates where to find products which can have a big impact on your research.



Try  
ECL start  
now!



## > Detection



### Amersham ECL start Western blotting detection reagent

To celebrate the 25th anniversary of Amersham ECL, GE has launched Amersham ECL start – a new reliable chemiluminescence WB substrate.

- Flexibility: long signal duration provides assay design flexibility and robust detection of large experimental sets.
- Low background: regardless of the detection method.
- Stability: working solution stable for 5 days.
- Shelf life: 18 months shelf life.



## > Imaging

### Amersham Hyperfilm™ ECL detection film

Sensitive film for the detection of chemiluminescent signals in Western blotting assays.

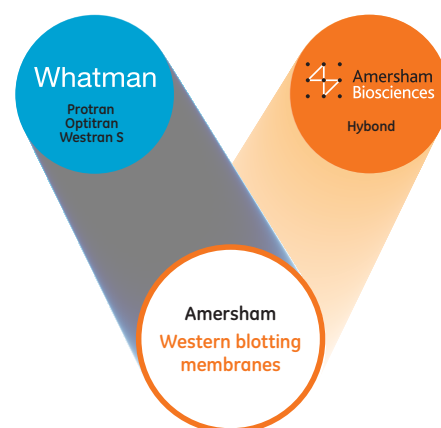
- Clear background for excellent contrast and band visibility.
- Publication-quality images.



Product description	Ordering quantity to get your BioXtra price	BioXtra ordering code	Total list price for bundle (NZD)	BioXtra price for bundle (NZD)
Amersham ECL Rabbit IgG, HRP-linked whole Ab (from donkey), 1 ml	2 packs	GEHENA934-1ML	1004.00	753.00
Amersham ECL Mouse IgG, HRP-linked whole Ab (from sheep), 1 ml	2 packs	GEHENA931-1ML	1004.00	753.00
Streptavidin-Biotinylated Horseradish Peroxidase Complex 2 ml	1 pack	GEHERPN1051-2ML	636.00	508.80
Streptavidin-Alkaline Phosphatase Conjugate 2 ml	1 pack	GEHERPN1234	669.00	535.20
Anti-GST HRP Conjugate 75 µl	1 pack	GEHERPN1236	507.00	405.60
Amersham ECL start Western Blotting Detection Reagent, 200 ml	2 packs	GEHERPN3243	347.80	243.46
Amersham ECL start Western Blotting Detection Reagent, 400 ml	2 packs	GEHERPN3244	558.00	390.60
Amersham ECL Western Blotting Detection Reagent for 2000 cm <sup>2</sup> , 250 ml	2 packs	GEHERPN2209	504.00	378.00
Amersham ECL Western Blotting Detection Reagent for 4000 cm <sup>2</sup> , 500 ml	2 packs	GEHERPN2106	810.00	607.50
Amersham ECL Prime Western Blotting Detection Reagent for 1000 cm <sup>2</sup> , 100 ml	2 packs	GEHERPN2232	774.00	580.50
Amersham ECL Select Western Blotting Detection Reagent for 1000 cm <sup>2</sup> , 100 ml	2 packs	GEHERPN2235	964.00	723.00
Amersham Hyperfilm ECL 18 × 24 cm, 50 sheets/pk	3 packs	GEHE28-9068-36	984.00	639.60
Amersham Hyperfilm ECL 18 × 24 cm, 100 sheets/pk	2 packs	GEHE28-9068-37	1,110.00	721.50
Amersham Hyperfilm ECL 18 × 24 cm, 100 sheets/pk	3 packs	GEHE28-9068-37	1,665.00	915.75
Amersham Hyperfilm ECL 5 × 7 inches, 50 sheets/pk	3 packs	GEHE28-9068-35	966.00	579.60
Amersham Hyperfilm MP 18 × 24 cm, 100 sheets/pk, high sensitivity	3 packs	GEHE28-9068-44	1,692.00	1,015.20

## Selection guides

GE Healthcare Life Sciences offers a broad selection of nitrocellulose (NC) and polyvinylidene difluoride (PVDF) Western blotting membranes, with pore sizes ranging from 0.1 to 0.45  $\mu\text{m}$  to suit your application requirements. By bringing together the trusted Hybond and Whatman brands, Amersham Western blotting membranes offer sustained high quality and performance.



## Two great brands join forces

### Nitrocellulose membranes

Whatman Protran BA85, BA83 and BA79  
Amersham Hybond ECL  
Whatman Optitran BAS85 and BAS83



### New names

Amersham Protran NC  
Amersham Protran NC Premium  
Amersham Protran NC Supported

### PVDF membranes

Amersham Hybond P and Whatman Westran CS  
Amersham Hybond LFP  
Whatman Westran S



### New names

Amersham Hybond P 0.2 PVDF  
Amersham Hybond P 0.45 PVDF  
Amersham Hybond LFP 0.2 PVDF  
Amersham Hybond SEQ 0.2 PVDF

**NEW**

## Amersham ECL Western blotting detection reagents selection guide

A comparison table outlining the differences between ECL reagents.

Product	Amersham ECL start	Amersham ECL	Amersham ECL Prime	Amersham ECL Select	Amersham ECL Plex™
	Detection of <b>high to medium abundant proteins</b>	Reliable detection of <b>high to medium abundant proteins</b>	Quantitative analysis of <b>high to low abundant proteins</b>	Quantitative analysis of <b>medium to very low abundant proteins</b>	Multiplex protein analysis and quantitation of <b>high to very low protein levels</b>
Detection type	Chemiluminescence	Chemiluminescence	Chemiluminescence	Chemiluminescence	Fluorescence
Optimal membrane	Amersham Protran	Amersham Protran	Amersham Hybond P Amersham Protran	Amersham Hybond P Amersham Protran	Amersham Hybond LFP Amersham Protran Premium
Recommended detection	Amersham Hyperfilm (X-ray film) or ImageQuant™ LAS 500	Amersham Hyperfilm (X-ray film) or ImageQuant LAS 500	Amersham Imager 600 series X-ray film is also an option	Amersham Imager 600 series X-ray film is also an option	Typhoon™ FLA series Amersham Imager 600RGB
Signal duration	< 3 h	< 2 h	< 24 h	< 2 h	> 3 months
Typical applications	<ul style="list-style-type: none"> <li>Routine protein detection</li> <li>Highly expressed proteins e.g. housekeeping proteins</li> <li>Tagged proteins</li> </ul>	<ul style="list-style-type: none"> <li>Routine protein detection</li> <li>Protein confirmation</li> <li>Overexpressed proteins</li> <li>Tagged proteins</li> </ul>	<ul style="list-style-type: none"> <li>Protein quantitation</li> <li>Protein confirmation</li> <li>Protein regulation and expression analysis</li> </ul>	<ul style="list-style-type: none"> <li>Protein quantitation</li> <li>Protein confirmation</li> <li>Protein regulation and expression analysis</li> </ul>	<ul style="list-style-type: none"> <li>Multiplex analysis</li> <li>Normalization to housekeeping protein</li> <li>Analysis of post translational modifications and isoforms</li> </ul>
Typical results	<p>WB ERK 1/2; LOD 320 ng; DR</p>	<p>WB ERK 1/2; LOD: 40 ng; DR: 2.1</p>	<p>WB ERK 1/2; LOD: 20 ng; DR: 2.4</p>	<p>WB ERK 1/2; LOD: 5 ng; DR: 2.4</p>	<p>WB ERK 1/2 (Cy5 on FLA 9500); LOD 10 ng; DR: 3</p>

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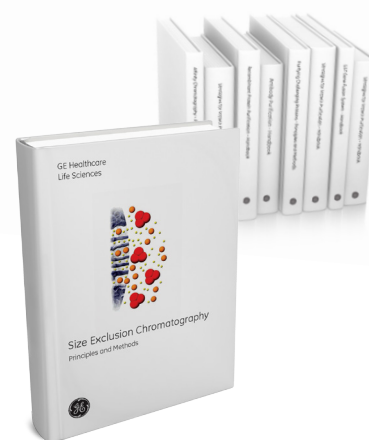


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