

Selection guide

Amersham Western blotting



Innovative solutions for your Western blotting

Since 1990 when we first launched Amersham™ ECL™ reagents, we have continued our commitment to providing innovative solutions for your protein analysis. Our products are optimized to work together so you can easily achieve excellent Western blotting results, whether you need sensitive protein identification or reproducible protein quantitation.

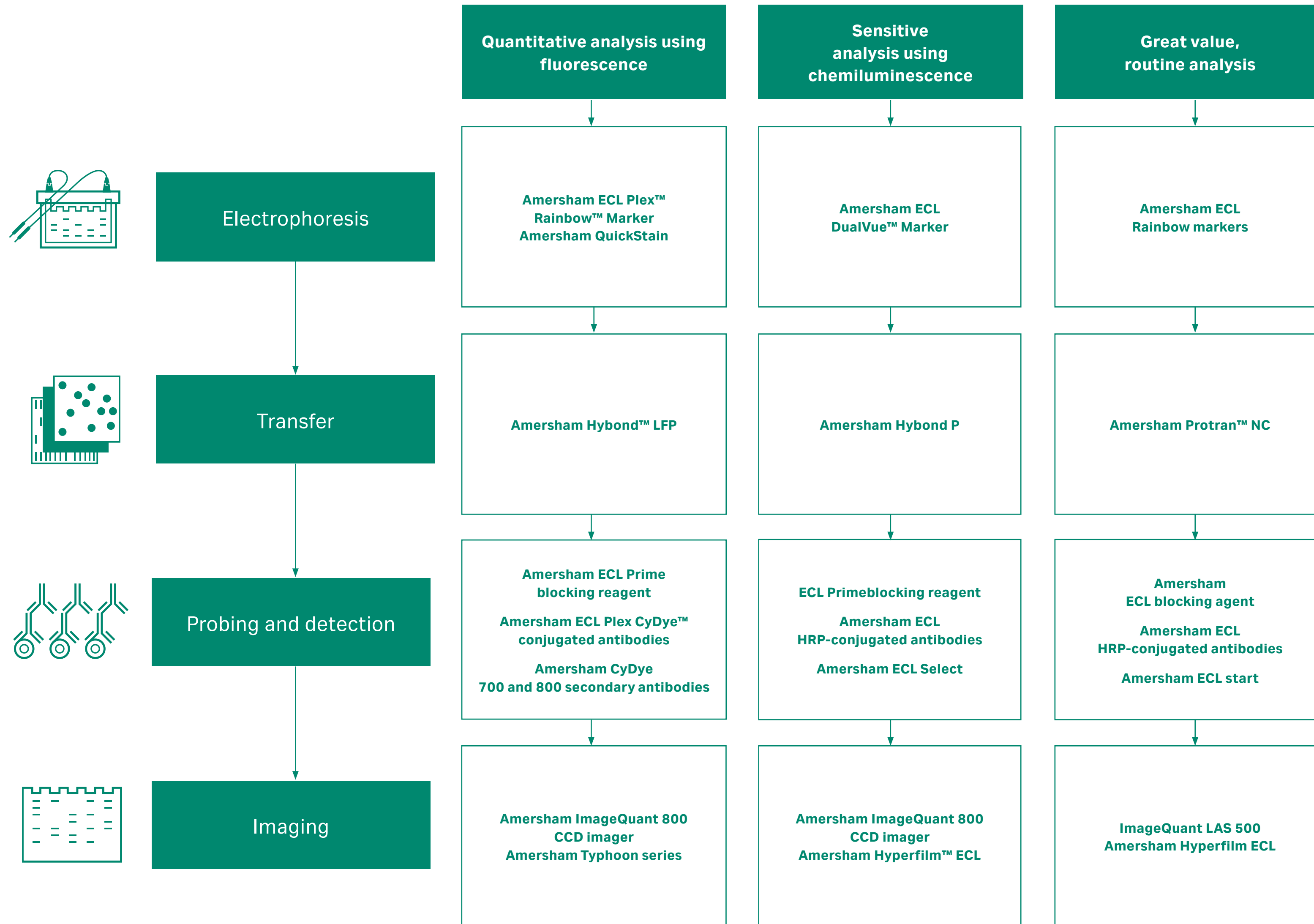
For the majority of users, one of the following product combinations will help obtain outstanding results in Western blotting.

Reproducible, quantitative analysis: Fluorescence detection is recommended for quantitation, because the signal stability and multiplexing capabilities result in reproducible data and normalization of target proteins in just one step. If reproducible quantitative analysis is your goal, then a combination of products designed specifically for fluorescence detection is the optimal choice. Amersham Typhoon™ laser scanners and ImageQuant™ 800 charge-coupled device (CCD) imagers are both fully equipped for fluorescent detection of your Western blots.

Sensitive analysis: When analyzing cellular and protein functions, a common challenge includes a limited amount of sample or primary antibody, or very low protein expression. The ultimate solution is to combine products that have been optimized to work together to detect limited protein quantities. Combining ECL Select™ reagent with the ImageQuant 800 CCD imager can help you achieve exceptional levels of sensitivity for your blots.

Great value, routine analysis: Western blots are commonly run for qualitative protein analysis to verify the presence or absence of a specific protein of interest. In this case, protein quantity in the sample is not a limiting factor and sensitivity is not an issue. For these applications, we recommend cost-effective products that allow you to quickly move to the next, such as ECL Start and the ImageQuant LAS 500 CCD imager.

Flexible and high-performance imaging solutions: The new ImageQuant 800 CCD imagers are equipped with the unique signal-to-noise optimization watch (SNOW) detection mode that reduces noise, enhances signal-to-noise ratios, and avoids saturation of bands, giving you the chance to get Western blots right the first time.

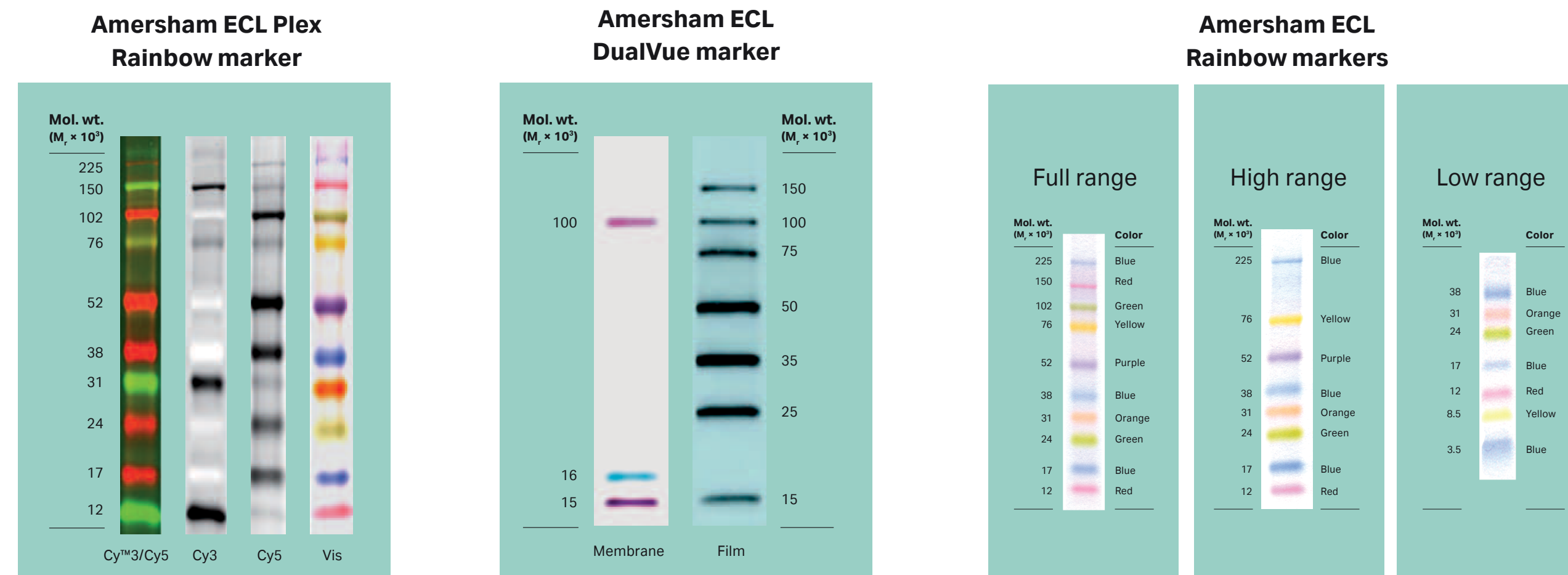


A comprehensive range of options is also available for each step of the Western blotting process.

Electrophoresis

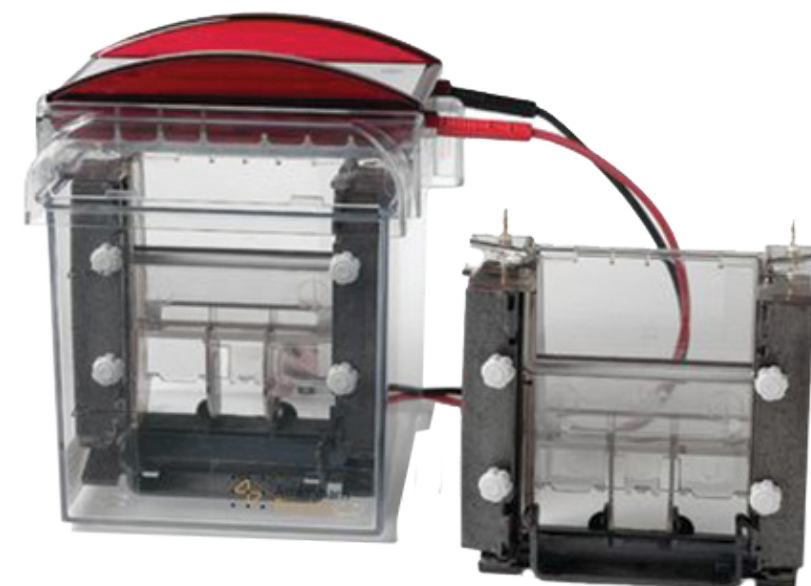
Amersham ECL Rainbow markers

Amersham ECL Rainbow markers provide accurate molecular weight determination of your protein on gels and blots. Visualize rainbow markers easily on the ImageQuant 800 CCD imager with automatic color marker overlay.



Electrophoresis gel tanks

Choose from a range of electrophoresis equipment options, such as the miniVE, SE 600, and SE 250. To achieve the perfect protein band separation, use the robust, flexible, and modular miniVE system for 10 × 10 cm gels.



Amersham QuickStain

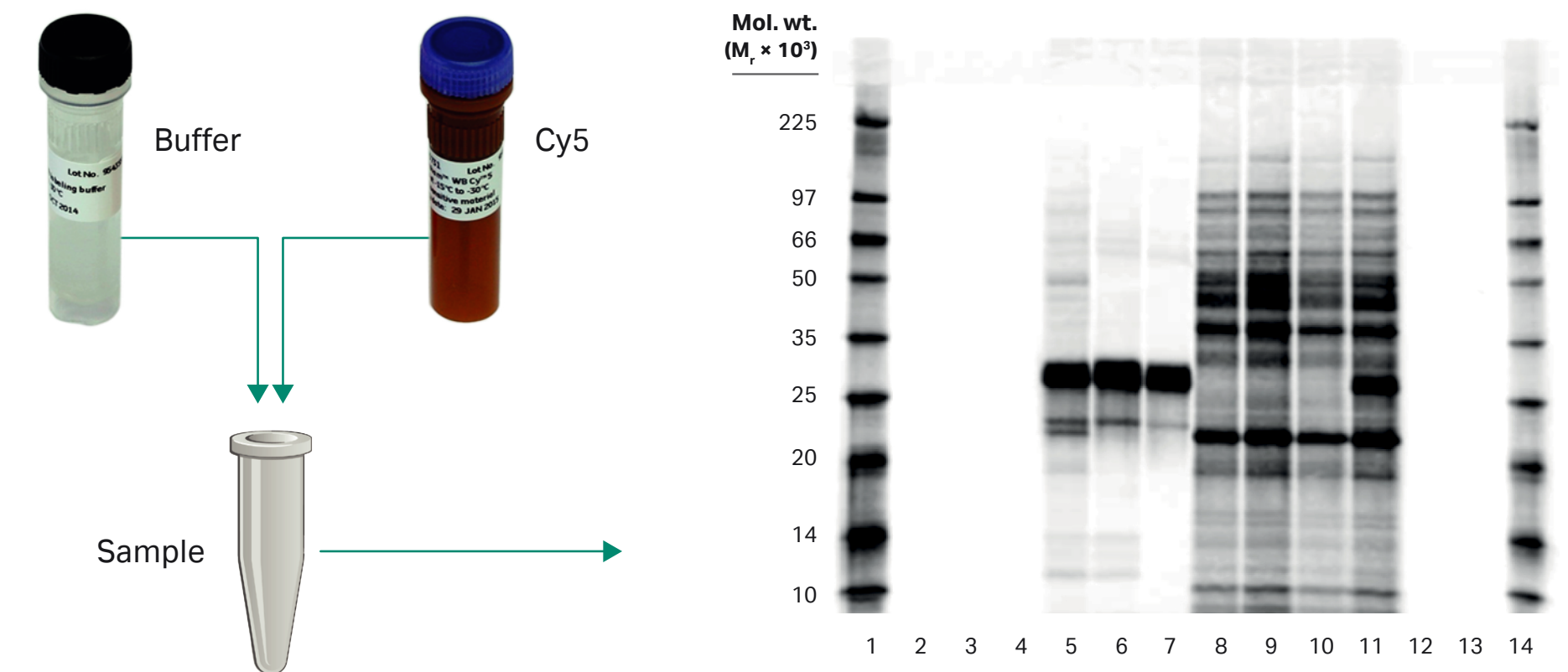
The Amersham QuickStain Kit contains a Cy5 fluorophore and labeling buffer for easy detection of proteins in SDS-PAGE gels and on Western blotting membranes. The ready-to-use Cy5 N-hydroxysuccinimide (NHS) ester and Tris-labeling buffer ensure robust and consistent labeling for detection of proteins in diverse samples.

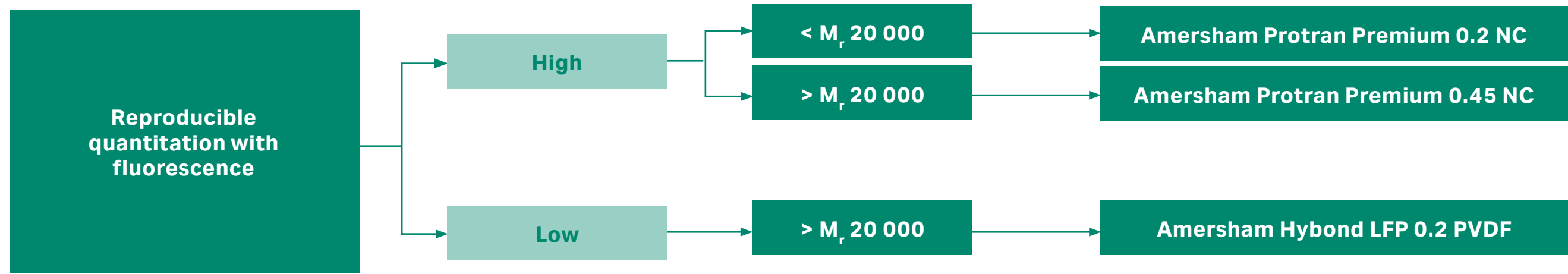
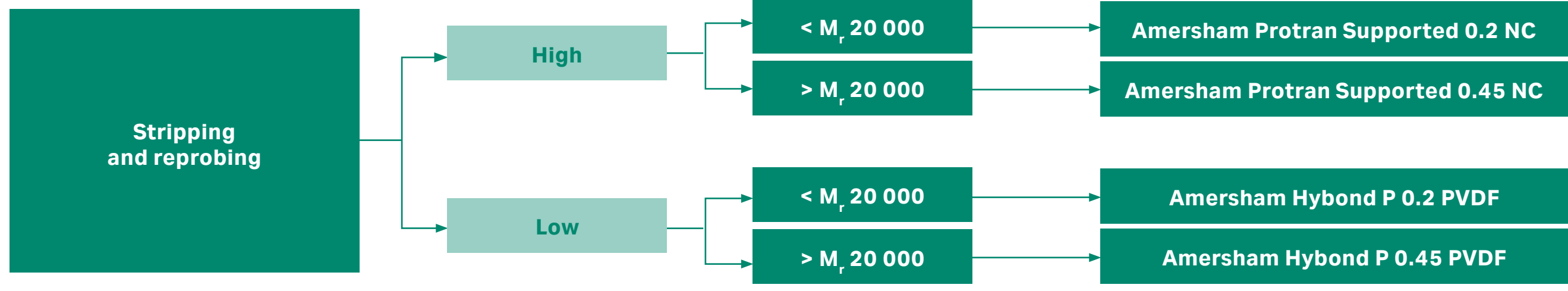
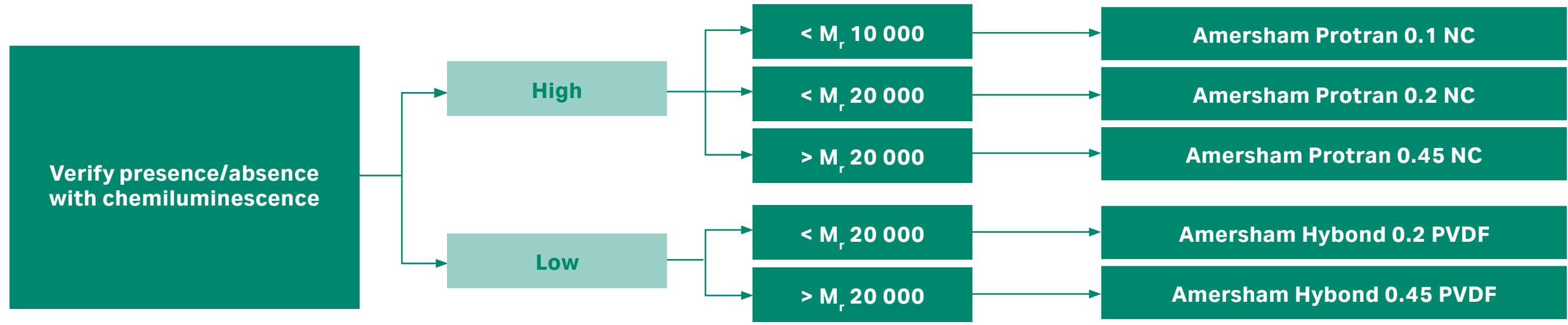
Key benefits

- **Ease of use:** Ready-to-use reagents for fast and convenient analysis of proteins following one-dimensional (1D) electrophoresis and/or Western blotting
- **Fast protocols:** Choose between a quick 5 min protocol and a standard 30 min quantitative protocol
- **Wide sample range:** Stain complex and purified samples with protein concentrations ranging from 1 µg/mL to 20 mg/mL, without the need to pre-measure protein concentration
- **Sensitivity:** As good as silver staining, sub-nanogram sensitivity
- **Broad dynamic range:** With a fluorescence imager or scanner, it is possible to simultaneously detect main bands and impurity levels down to parts per thousand (0.1%)
- **Robustness:** A 10-fold dilution of samples with the labeling buffer, which has a high buffering capacity and ensures reproducible labeling at optimal pH for a wide variety of samples
- **Versatility:** Most materials exhibit low Cy5 fluorescence background, which makes the kit compatible with many common gel formats and membranes

With easy Cy5 prelabeling of Amersham QuickStain, there is no need to do post-staining (e.g., Coomassie™ blue or silver staining) of gels or Ponceau S staining of membranes

Amersham QuickStain kit





Transfer

Amersham Western blotting membranes

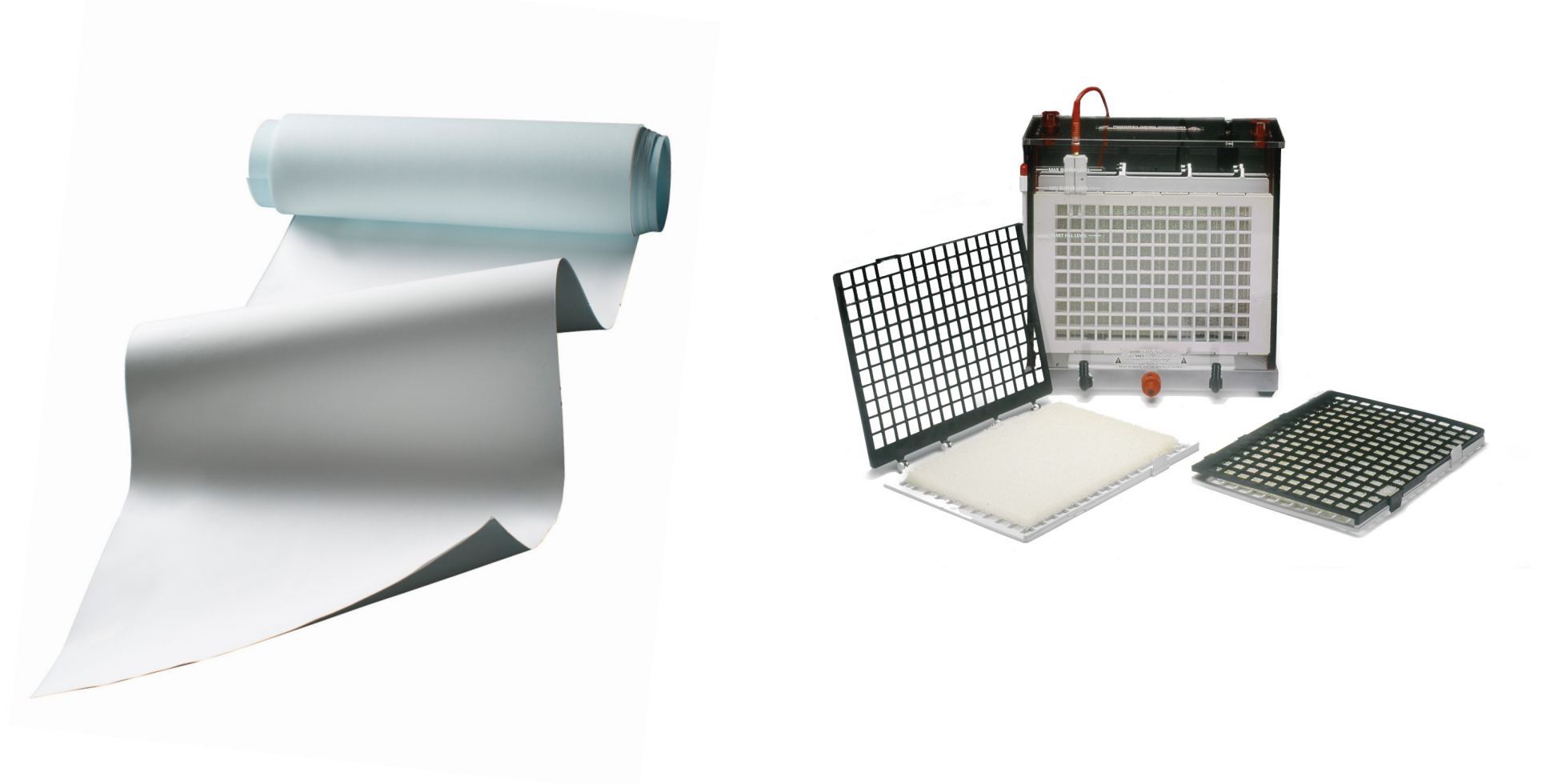
Amersham Western blotting membranes are available in a selection of rolls, sheets, and sandwiches.

Select from a broad range of nitrocellulose (NC) and polyvinylidene difluoride (PVDF) Western blotting membranes, with pore sizes ranging from 0.1 to 0.45 µm to suit your application requirements.

Choose from our range of both wet and semi-dry transfer units for maximum flexibility.

Transfer units

Choose from wet or semi-dry transfer equipment based on need. Wet transfer (TE 22 mini) can transfer up to four mini gels simultaneously, is equipped with a built-in cooling system, and can efficiently transfer proteins of all sizes. Semi-dry transfer TE 70/77 is fast, uses less buffer for transfer, and is generally recommended for proteins with molecular weights < 100 kDa.



Probing and detection

Amersham ECL secondary antibodies

Amersham ECL secondary antibodies are species-specific HRP-conjugated antibodies optimized for use with Amersham ECL Western blotting detection reagents.

Amersham ECL Plex CyDye secondary antibodies

ECL Plex Cy2-, Cy3-, and Cy5-conjugated antibodies are part of an optimized system for quantitative analysis using fluorescent Western blotting. The optimized antibodies show high sensitivity, a very good dynamic range, and low or no cross-reactivity. CyDye technology is dependable, reliable, and ensures accurate quantitation.

Amersham CyDye 700 and 800 dyes

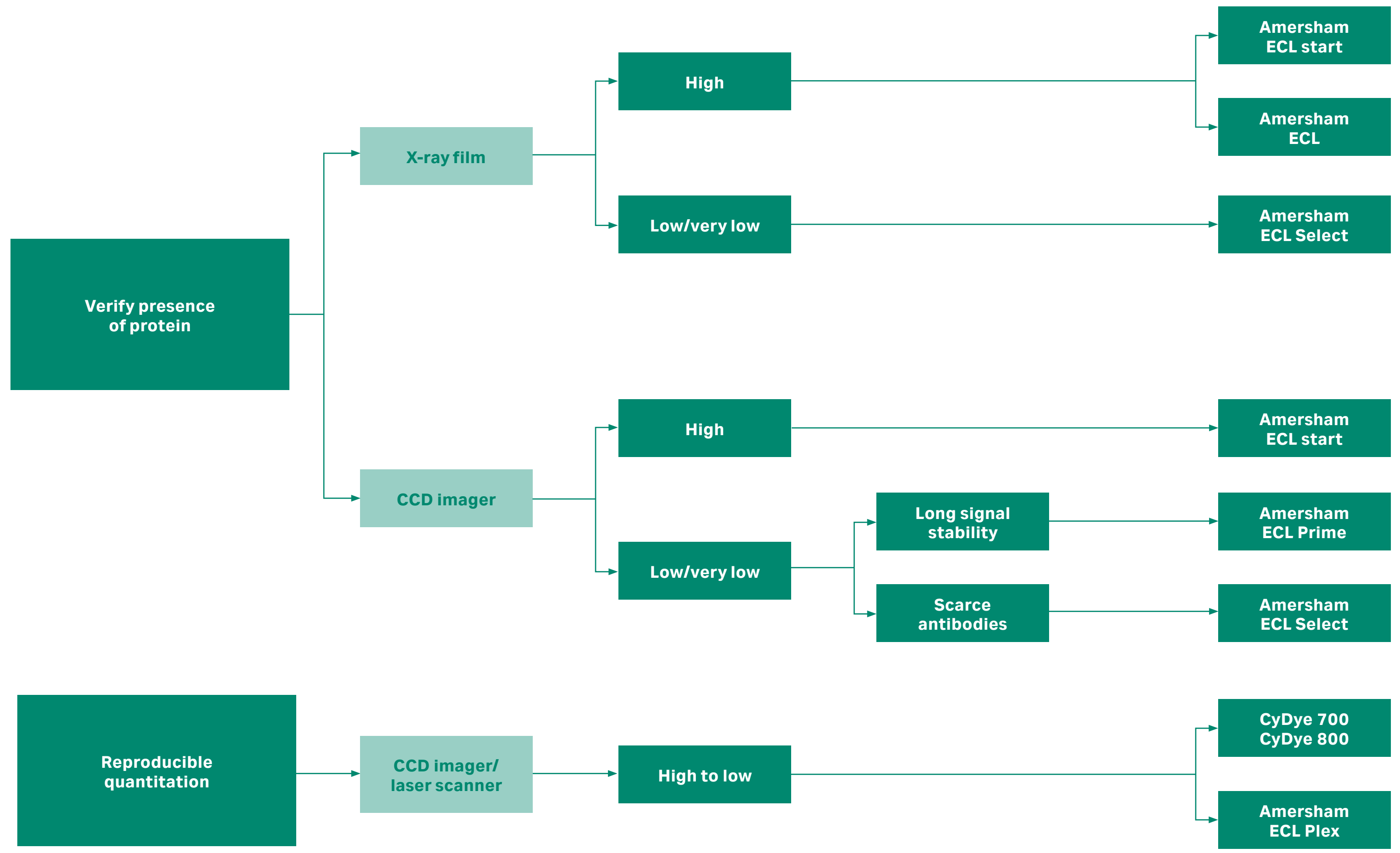
Pair the new CyDye 700 and 800 near-infrared (NIR) wavelength secondary antibodies with rabbit or mouse primary antibodies to perform multiplex experiments.

Amersham ECL Western blotting detection reagents

A variety of reagents are available, with the optimal choice depending on the aim of the experiment.

- **Amersham ECL Select:** The most sensitive chemiluminescence ECL reagent in the Amersham ECL range enables use of highly diluted antibodies for detection of very low protein levels
- **Amersham ECL Prime:** Highly sensitive chemiluminescent detection reagent with long-lasting signal for accurate detection of very low abundance proteins
- **Amersham ECL:** The original ECL Western blotting detection reagent. Recommended for detection of proteins expressed at medium or high levels.
- **Amersham ECL start:** For routine detection of proteins expressed at medium or high levels





Imaging

Amersham Hyperfilm

Amersham Hyperfilm offers outstanding sensitivity and clarity for reliable image quality that meets your research needs.

- **Amersham Hyperfilm ECL:** Highly sensitive film for detection of chemiluminescent signals. Clear, colorless background and anti-static layer results in minimal problems with visual artifacts, high contrast, and improved band visibility.
- **Amersham Hyperfilm MP:** Multipurpose film recommended for use in multidisciplinary laboratories in which both blots and sequencing experiments are performed. Compatible with all commonly used chemiluminescence detection reagents.

Amersham Typhoon laser scanners

These versatile systems are designed for imaging and precise quantitation of fluorescent, colorimetric, and radiolabeled proteins and nucleic acids. The Amersham Typhoon is flexible, sensitive, and available in different upgradable models.

Amersham ImageQuant 800 CCD imagers

This new range of high-performance CCD imagers deliver exceptional image quality for chemiluminescence, fluorescence, and colorimetric applications. Equipped with the new fully-automated SNOW imaging mode, these systems can track signal-to-noise ratios, reduce noise, and extend the dynamic range, allowing you to image both high and low abundance proteins on the the same blot. The ImageQuant 800 system also comes equipped with full fluorescence capabilities, including IR short and long. These imagers also offer the flexibility to run other sample types, such as multiwell plates and petri dishes.



The products in this guide are available from Cytiva and Cytiva distributors. Find your local distributor at [cytiva.com/distributors](https://www.cytiva.com/distributors). For more information about the products, visit [cytiva.com](https://www.cytiva.com).



Ordering information

Electrophoresis

Instruments

| Product | Quantity | Product code | Description |
|--|----------|--------------|--|
| MiniVE Vertical Electrophoresis System | 1 | 80641877 | System for gel casting, electrophoresis, and blotting in one convenient unit (blot unit sold separately). Handles gel cassettes up to 10 × 10.5 cm (W × H). Supplied with the system: 3 rectangular glass plates, 3 notched plates, 2 gel modules, 2 × 1.0 mm thick 10-well combs, and 2 × 1.0 mm thick spacer sets. |

Reagents

| Product | Quantity | Product code | Description |
|-------------------------------------|---------------|--------------|---|
| PlusOne Acrylamide PAGE | 1000 g | 17130202 | Especially suitable for SDS and native PAGE techniques due to extremely low concentrations of impurities that may interfere with the polymerization reaction. |
| PlusOne N,N'—Methylenebisacrylamide | 100 g | 17130402 | Cross-linker used with acrylamide for PAGE techniques. |
| PlusOne Tris | 500 g | 17132101 | Component of electrophoresis buffers (e.g., Laemmli buffer). Suitable for preparing buffers in the pH range of 7.2 to 9.0. |
| PlusOne Glycine | 500 g | 17132301 | Component of electrophoresis buffers (e.g., Laemmli buffer). |
| PlusOne Ammonium Persulfate | 25 g | 17131101 | Initiator of choice for the polymerization of acrylamide gels. |
| PlusOne TEMED | 25 mL | 17131201 | Catalyst for the polymerization of acrylamide when used with ammonium persulfate. |
| PlusOne Dithiothreitol (DTT) | 1 g | 17131801 | Reducing agents included in the sample loading buffer to break any disulfide bonds present and to maintain all proteins in their fully reduced state. |
| PlusOne Glycerol (87%) | 1 L | 17132501 | Component of protein electrophoresis sample loading buffer. |
| PlusOne Sodium Dodecyl Sulfate | 100 g | 17131301 | SDS is an ionic detergent used to solubilize proteins. |
| PlusOne Bromophenol Blue | 10 g | 17132901 | Electrophoresis tracking dye used as component in protein electrophoresis sample loading buffer. |
| Amersham QuickStain Kit | 150 reactions | RPN4000 | Enables protein detection directly after electrophoresis or transfer to a membrane. |

Protein markers

| Product | Quantity | Product code | Molecular weights (M _r) | Description |
|--|-------------|--------------|-------------------------------------|---|
| Amersham ECL Rainbow Marker — Full Range | 250 µL | RPN800E | 12 000 to 225 000 | Ten separate proteins with six different visible colors. Monitor progress of protein electrophoresis and assess transfer efficiency and molecular weight of blotted proteins without staining. |
| Amersham ECL Rainbow Marker — High Range | 250 µL | RPN756E | 12 000 to 225 000 | Eight separate proteins with six different visible colors. Monitor progress of protein electrophoresis and assess transfer efficiency and molecular weight of blotted proteins without staining. |
| Amersham ECL Rainbow Marker — Low Range | 250 µL | RPN755E | 3500 to 38 000 | Seven separate proteins with five different visible colors. Monitor progress of protein electrophoresis and assess transfer efficiency and molecular weight of blotted proteins without staining. |
| Amersham ECL DualVue Marker | 25 loadings | RPN810 | 15 000 to 150 000 | Detect proteins on gels, membranes, and film. Three bands visible on gels and blotting membranes and seven bands visible on chemiluminescence images. |
| Amersham ECL Plex Rainbow Marker | 120 µL | RPN850E | 12 000 to 225 000 | Protein molecular weight marker bands visible on gels, membranes, and on fluorescence images using Cy3 and Cy5 channels. |
| Amersham ECL Plex Rainbow Marker | 500 µL | RPN851E | 12 000 to 225 000 | Protein molecular weight marker bands visible on gels, membranes, and on fluorescence images using Cy3 and Cy5 channels. |



Transfer

Instruments

| Product | Quantity | Product code | Description |
|-------------------------------|----------|--------------|---|
| MiniVE Blotting Unit | 1 | 80641896 | For use with MiniVE Vertical Electrophoresis System. Run four mini-blot at once and complete semi-wet blotting in 45 min with only 300 mL buffer. Supplied with 3 Dacron™ sponges 6 mm (1/4") thick and 25 blotting paper sheets. |
| TE22 Mini Tank Transfer Unit | 1 | 80620426 | Instrument dedicated for wet transfer. Perform protein transfers of four mini-gels up to 9 × 10 cm in about 1 L of buffer in less than 1 h. Supplied with: 4 gel cassettes, 8 foam sponges with 3 mm (0.125 inch) thickness, 4 foam sponges with 6 mm (0.25 inch) thickness, and 25 blotting paper sheets. Order power supply separately. |
| TE62 Transfer Cooled Unit | 1 | 80620958 | Instrument dedicated for wet transfer. Perform protein transfers of four 15 × 21 cm gels or 16 mini-gels. Supplied with: 4 gel cassettes, 8 foam sponges with 3 mm (0.125 inch) thickness, 4 foam sponges with 6 mm (0.25 inch) thickness, and 25 blotting paper sheets. Order power supply separately. |
| TE70 SemiDry Transfer Unit | 1 | TE70 | Suitable for gels up to 14 × 16 cm or four side-by-side mini-gels. Supplied with: 25 blotting paper sheets, 50 cellophane sheets, 2 solid masks, and masks for 7 × 8 cm and 14 × 16 cm gels. |
| TE70PWR SemiDry Transfer Unit | 1 | 11001341 | With a built-in power supply and an automatic stopping feature. Suitable for gels 14 × 16 cm or four side-by-side mini-gels. Supplied with 25 blotting paper sheets, 50 cellophane sheets, solid mask, and mask for 14 × 16 cm gels. |
| TE77 SemiDry Transfer Unit | 1 | TE77 | Suitable for gels up to 21 × 26 cm or four side-by-side mini-gels. Supplied with: 25 blotting paper sheets, 50 cellophane sheets, 2 solid masks, and mask for 14 × 16 cm gels. |
| TE77PWR SemiDry Transfer Unit | 1 | 11001342 | With a built-in power supply and automatic stopping feature. Suitable for gels up to 21 × 26 cm or four side-by-side mini-gels. Supplied with: 25 blotting paper sheets, 50 cellophane sheets, solid mask, and mask for 14 × 16 cm gels. |

Reagents

| Product | Quantity | Product code | Description |
|-----------------|----------|--------------|--|
| PlusOne Tris | 500 g | 17132101 | Component of transfer buffers (e.g., Towbin buffer). Suitable for preparing buffers in the pH range of 7.2 to 9.0. |
| PlusOne Glycine | 500 g | 17132301 | Component of transfer buffers (e.g., Towbin buffer). |

Membranes and blotting papers

| Product | Quantity | Product code | Description |
|-------------------------------------|------------|--------------|--|
| 3MM Chr blotting paper (20 × 20 cm) | 100 sheets | 3030861 | Pure cellulose ensures uniformity of capillary action, which results in clean and even transfers; also ensures that no contamination will occur during the transfer steps. |

Nitrocellulose membranes

| Product | Quantity | Product code | Description |
|----------------------|---------------------|--------------|--|
| Amersham Protran 0.1 | 1 roll, 30 cm × 4 m | 10600000 | Versatile nitrocellulose membrane, with 0.1 μm pore size, provides excellent binding affinity for small proteins and peptides, as well as nucleic acids. |
| Amersham Protran 0.2 | 1 roll, 30 cm × 4 m | 10600001 | Nitrocellulose membrane, with 0.2 μm pore size and high surface area, for binding of small proteins (< M _r 20 000). |

| Product | Quantity | Product code | Description |
|---------------------------------|---------------------|--------------|---|
| Amersham Protran 0.45 | 1 roll, 30 cm × 4 m | 10600002 | Nitrocellulose membrane, with 0.45 μm pore size, is suitable for proteins of a wide range of molecular weights. |
| Amersham Protran Premium 0.2 | 1 roll, 30 cm × 4 m | 10600004 | Nitrocellulose blotting membrane, with 0.2 μm pore size, provides excellent sensitivity, resolution, and low background in fluorescence Western blotting detection applications. |
| Amersham Protran Premium 0.45 | 1 roll, 30 cm × 4 m | 10600003 | Nitrocellulose blotting membrane, with 0.45 μm pore size, provides excellent sensitivity, resolution, and low background in fluorescence Western blotting detection applications. |
| Amersham Protran Supported 0.2 | 1 roll, 30 cm × 4 m | 10600015 | Robust protein blotting membrane, with 0.2 μm pore size, made of reinforced nitrocellulose for multiple reprobings. |
| Amersham Protran Supported 0.45 | 1 roll, 30 cm × 4 m | 10600016 | Robust protein blotting membrane, with 0.45 μm pore size, made of reinforced nitrocellulose for multiple reprobings. |

PVDF membranes

| Product | Quantity | Product code | Description |
|------------------------|-----------------------|--------------|---|
| Amersham Hybond P 0.2 | 1 roll, 26 cm × 4 m | 10600021 | PVDF blotting membrane, with 0.2 μm pore size, for use with standard colorimetric and chemiluminescence detection methods for proteins of < M _r 20 000. |
| Amersham Hybond P 0.45 | 1 roll, 30 cm × 4 m | 10600023 | PVDF blotting membrane, with 0.45 μm pore size, for use with chemiluminescence and fluorescence detection methods for proteins of > M _r 20 000. |
| Amersham Hybond LFP | 1 roll, 25.4 cm × 4 m | 10600022 | PVDF protein blotting membrane, with 0.2 μm pore size, provides low auto-fluorescence across a wide range of excitation/emission wavelengths. Low-fluorescent PVDF membrane optimized for fluorescence Western blotting applications. |

Blotting sandwich

| Product | Quantity | Product code | Description |
|-----------------------|--------------------|--------------|---|
| Amersham Protran 0.1 | 10 units, 8 × 9 cm | 10600116 | Contains 10 Western blotting sandwiches, consisting of pre-cut Amersham Protran 0.1 μm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers. |
| Amersham Protran 0.2 | 10 units, 8 × 9 cm | 10600115 | Contains 10 Western blotting sandwiches, consisting of pre-cut Amersham Protran 0.2 μm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers. |
| Amersham Protran 0.45 | 10 units, 8 × 9 cm | 10600114 | Contains 10 Western blotting sandwiches, consisting of pre-cut Amersham Protran 0.45 μm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers. |



| Product | Quantity | Product code | Description |
|---------------------------------|-----------------------|--------------|--|
| Amersham Protran Premium 0.2 | 10 units, 8 × 9 cm | 10600118 | Contains 10 Western blotting sandwiches, consisting of precut Amersham Protran Premium 0.2 µm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers. |
| Amersham Protran Premium 0.45 | 10 units, 8 × 9 cm | 10600117 | Contains 10 Western blotting sandwiches, consisting of precut Amersham Protran Premium 0.45 µm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers. |
| Amersham Protran Supported 0.2 | 10 units, 8 × 9 cm | 10600120 | Contains 10 Western blotting sandwiches, consisting of precut Amersham Protran Supported 0.2 µm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers. |
| Amersham Protran Supported 0.45 | 10 units, 8 × 9 cm | 10600119 | Contains 10 Western blotting sandwiches, consisting of precut Amersham Protran Supported 0.45 µm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers. |
| Amersham Hybond P 0.2 | 10 units, 8 × 9 cm | 10600122 | Contains 10 Western blotting sandwiches, consisting of precut Amersham Hybond P 0.2 µm PVDF membranes preassembled with 2 × 3MM Chr Blotting papers. |
| Amersham Hybond P 0.45 | 10 units, 8 × 9 cm | 10600121 | Contains 10 Western blotting sandwiches, consisting of precut Amersham Hybond P 0.45 µm PVDF membranes preassembled with 2 × 3MM Chr Blotting papers. |
| Amersham Hybond LFP 0.2 | 10 units, 8 × 9 cm | 10600123 | Contains 10 Western blotting sandwiches, consisting of precut Amersham Hybond LFP 0.2 µm PVDF membranes preassembled with 2 × 3MM Chr Blotting papers. |

Probing and detection

Blocking reagents

| Product | Quantity | Product code | Description |
|-------------------------------------|----------|--------------|---|
| Amersham ECL Prime Blocking Reagent | 40 g | RPN418 | Used with ECL prime and ECL plex for blocking of nitrocellulose and PVDF membranes in fluorescence Western blotting applications or when high sensitivity is needed. The product is dissolved in PBS Tween or TBS Tween depending on application. Sufficient for at least 20 miniblots. |
| Amersham ECL Blocking Agent | 40 g | RPN2125 | Used with ECL and ECL Start reagents for blocking of nitrocellulose and PVDF membranes. Product is dissolved in PBS Tween or TBS Tween depending on application. Sufficient for at least 20 miniblots. |

Secondary antibodies

| Product | Quantity | Product code | Description |
|---|----------|--------------|---|
| Amersham ECL Mouse IgG, HRP-linked whole Ab (from sheep) | 1 | NA931-1ML | HRP-conjugated secondary antibody for use with chemiluminescence Western blotting detection reagents. |
| Amersham ECL Rabbit IgG, HRP-linked whole Ab (from donkey) | 1 | NA934-1ML | HRP-conjugated secondary antibody for use with chemiluminescence Western blotting detection reagents. |
| Amersham ECL Mouse IgG, HRP-linked F(ab)2 fragment (from sheep) | 1 | NA9310-1ML | HRP-conjugated secondary antibody for use with chemiluminescence Western blotting detection reagents. |
| Amersham ECL Rabbit IgG, HRP-linked F(ab)2 fragment (from donkey) | 1 | NA9340-1ML | HRP-conjugated secondary antibody for use with chemiluminescence Western blotting detection reagents. |

| Product | Quantity | Product code | Description |
|--|----------|--------------|---|
| Amersham ECL Plex goat-anti-rabbit IgG-Cy3 | 150 µg | 28901106 | Cy3 conjugated secondary antibody for use in fluorescence Western blotting applications. |
| Amersham ECL Plex goat-anti-mouse IgG-Cy3 | 150 µg | PA43009 | Cy3 conjugated secondary antibody for use in fluorescence Western blotting applications. |
| Amersham ECL Plex goat-anti-rabbit IgG-Cy5 | 150 µg | PA45011 | Cy5 conjugated secondary antibody for use in fluorescence Western blotting applications. |
| Amersham ECL Plex goat-anti-mouse IgG, Cy5 | 150 µg | PA45009 | Cy5 conjugated secondary antibody for use in fluorescence Western blotting applications. |
| Amersham CyDye 700 goat-anti-mouse (0.1 mg) | 1 | 29360784 | Amersham CyDye lyophilized secondary antibodies labeled with NIR fluorophores and emitting light at a wavelength of 700 nm; raised in goat against mouse primary antibodies; 0.1 mg pack size. |
| Amersham CyDye 700 goat-anti-mouse (0.5 mg) | 1 | 29360785 | Amersham CyDye lyophilized secondary antibodies labeled with NIR fluorophores and emitting light at a wavelength of 700 nm; raised in goat against mouse primary antibodies; 0.5 mg pack size. |
| Amersham CyDye 700 goat-anti-rabbit (0.1 mg) | 1 | 29360786 | Amersham CyDye lyophilized secondary antibodies labeled with NIR fluorophores and emitting light at a wavelength of 700 nm; raised in goat against rabbit primary antibodies; 0.1 mg pack size. |
| Amersham CyDye 700 goat-anti-rabbit (0.5 mg) | 1 | 29360787 | Amersham CyDye lyophilized secondary antibodies labeled with NIR fluorophores and emitting light at a wavelength of 700 nm; raised in goat against rabbit primary antibodies; 0.5 mg pack size. |
| Amersham CyDye 800 goat-anti-mouse (0.1 mg) | 1 | 29360788 | Amersham CyDye lyophilized secondary antibodies labeled with NIR fluorophores and emitting light at a wavelength of 800 nm; raised in goat against mouse primary antibodies; 0.1 mg pack size. |
| Amersham CyDye 800 goat-anti-mouse (0.5 mg) | 1 | 29360789 | Amersham CyDye lyophilized secondary antibodies labeled with NIR fluorophores and emitting light at a wavelength of 800 nm; raised in goat against mouse primary antibodies; 0.5 mg pack size. |
| Amersham CyDye 800 goat-anti-rabbit (0.1 mg) | 1 | 29360790 | Amersham CyDye lyophilized secondary antibodies labeled with NIR fluorophores and emitting light at a wavelength of 800 nm; raised in goat against rabbit primary antibodies; 0.1 mg pack size. |
| Amersham CyDye 800 goat-anti-rabbit (0.5 mg) | 1 | 29360791 | Amersham CyDye lyophilized secondary antibodies labeled with NIR fluorophores and emitting light at a wavelength of 800 nm; raised in goat against rabbit primary antibodies; 0.5 mg pack size. |



Detection reagents

| Product | Quantity | Product code | Description |
|----------------------|----------|--------------|---|
| Amersham ECL Select | 100 mL | RPN2235 | The most sensitive chemiluminescence Western blotting reagent in the Amersham ECL range. Detects the very small changes in protein expression and enables use of highly diluted antibodies. For detection of very low protein levels. |
| Amersham ECL Prime | 100 mL | RPN2232 | Highly sensitive chemiluminescence detection reagent with long-lasting signal for accurate detection of small changes in protein levels. Recommended for detection of low-expressed proteins. |
| Amersham ECL Prime | 300 mL | RPN2236 | Highly sensitive chemiluminescence detection reagent with long-lasting signal for accurate detection of small changes in protein levels. Recommended for detection of low-expressed proteins. |
| Amersham ECL | 250 mL | RPN2209 | The first and highly cited ECL Western blot detection reagent. Recommended for detection of high- to medium-expressed proteins. |
| Amersham ECL | 500 mL | RPN2106 | The first and highly cited ECL Western blot detection reagent. Recommended for detection of high- to medium-expressed proteins. |
| Amersham ECL | 7500 mL | RPN2134 | The first and highly cited ECL Western blot detection reagent. Recommended for detection of high- to medium-expressed proteins. |
| Amersham ECL start | 200 mL | RPN3243 | Working solution is stable for 5 d and provides assay design flexibility and robust detection of large experimental sets. For detection of high- to medium-expressed proteins. |
| Amersham ECL start | 400 mL | RPN3244 | Working solution is stable for 5 d and provides assay design flexibility and robust detection of large experimental sets. For detection of high- to medium-expressed proteins. |
| ECF Detection Module | 1 | RPN3685 | AlkPhos direct labeling and detection systems are based on the rapid, direct labeling of DNA or RNA probes with thermostable alkaline phosphatase. CDP-Star or ECF detection can be used. Can also be used for Proteins when combined with AlkPhos conjugated secondary antibodies. |

Imaging

Film

| Product | Quantity | Product code | Description |
|--|------------|--------------|--|
| Amersham Hyperfilm ECL (5 × 7 inches) | 50 sheets | 28906835 | Film suitable for use with all blue and green light chemiluminescence detection systems. High sensitivity allows detection of low concentration of nucleic acid and protein targets. |
| Amersham Hyperfilm ECL (8 × 10 inches) | 50 sheets | 28906838 | Film suitable for use with all blue and green light chemiluminescence detection systems. High sensitivity allows detection of low concentration of nucleic acid and protein targets. |
| Amersham Hyperfilm ECL (8 × 10 inches) | 100 sheets | 28906839 | Film suitable for use with all blue and green light chemiluminescence detection systems. High sensitivity allows detection of low concentration of nucleic acid and protein targets. |

| Product | Quantity | Product code | Description |
|--|------------|--------------|---|
| Amersham Hyperfilm ECL (18 × 24 cm) | 50 sheets | 28906836 | Film suitable for use with all blue and green light chemiluminescence detection systems. High sensitivity allows detection of low concentration of nucleic acid and protein targets. |
| Amersham Hyperfilm ECL (18 × 24 cm) | 100 sheets | 28906837 | Film suitable for use with all blue and green light chemiluminescence detection systems. High sensitivity allows detection of low concentration of nucleic acid and protein targets. |
| Amersham Hyperfilm MP (5 × 7 inches) | 50 sheets | 28906842 | Film recommended for multidisciplinary laboratories in which blots and sequencing experiments are performed. High performance in all applications: 32P, 33P, 125I Southern, Northern, and Western blots; 32S, 33P, 35P sequencing; fluorography of 3H, 14C, and 35S. |
| Amersham Hyperfilm MP (8 × 10 inches) | 50 sheets | 28906845 | Film recommended for multidisciplinary laboratories in which blots and sequencing experiments are performed. High performance in all applications: 32P, 33P, 125I Southern, Northern, and Western blots; 32S, 33P, 35P sequencing; fluorography of 3H, 14C, and 35S. |
| Amersham Hyperfilm MP (8 × 10 inches) | 100 sheets | 28906846 | Film recommended for multidisciplinary laboratories in which blots and sequencing experiments are performed. High performance in all applications: 32P, 33P, 125I Southern, Northern, and Western blots; 32S, 33P, 35P sequencing; fluorography of 3H, 14C, and 35S. |
| Amersham Hyperfilm MP (18 × 24 cm) | 50 sheets | 28906843 | Film recommended for multidisciplinary laboratories in which blots and sequencing experiments are performed. High performance in all applications: 32P, 33P, 125I Southern, Northern, and Western blots; 32S, 33P, 35P sequencing; fluorography of 3H, 14C, and 35S. |
| Amersham Hyperfilm MP (18 × 24 cm) | 100 sheets | 28906844 | Film recommended for multidisciplinary laboratories in which blots and sequencing experiments are performed. High performance in all applications: 32P, 33P, 125I Southern, Northern, and Western blots; 32S, 33P, 35P sequencing; fluorography of 3H, 14C, and 35S. |
| Amersham Hyperfilm MP Enveloped (18 × 24 cm) | 50 sheets | 28906850 | Film recommended for multidisciplinary laboratories in which blots and sequencing experiments are performed. High performance in all applications: 32P, 33P, 125I Southern, Northern, and Western blots; 32S, 33P, 35P sequencing; fluorography of 3H, 14C, and 35S. Individual sheets sealed in light-tight envelopes. |



CCD imagers and laser scanners

| Product | Quantity | Product code | Description |
|-------------------------------|----------|--------------|--|
| ImageQuant LAS 500 | 1 | 29005063 | Touch screen CCD camera for chemiluminescence detection of minigels and blots. |
| Amersham ImageQuant 800 | 1 | 29399481 | Sensitive and robust CCD imager for chemiluminescence and gel documentation applications. For proteins, gels, multiwell plates, and other samples. |
| Amersham ImageQuant 800 UV | 1 | 29399482 | Sensitive and robust CCD imager for chemiluminescence, gel documentation, and UV fluorescence applications. For blots, gels, multiwell plates, and other samples. |
| Amersham ImageQuant 800 OD | 1 | 29399483 | Sensitive and robust CCD imager for chemiluminescence, gel documentation, UV fluorescence and densitometry applications. For blots, gels, multiwell plates, and other samples. |
| Amersham ImageQuant 800 Fluor | 1 | 29399484 | Sensitive and robust CCD imager for chemiluminescence, gel documentation, densitometry, UV, RGB and NIR fluorescence applications. For blots, gels, multiwell plates, and other samples. |
| Amersham Typhoon 5 | 1 | 29187191 | Laser scanner precisely quantitates proteins, nucleic acids, and other biomolecules labeled with multiple visible and infrared fluorescent dyes, radioisotopes, and stained with visible colors. |
| Amersham Typhoon RGB | 1 | 29187193 | Laser scanner for imaging of proteins, nucleic acids, and other biomolecules labeled with fluorescent dyes, radioisotopes, and stained with visible colors. |
| Amersham Typhoon NIR Plus | 1 | 29264463 | The Amersham Typhoon NIR Plus scanner saves times by detecting up to three proteins in a single blot. It has 3 lasers to detect both NIR and green labelled antibodies saving time. |

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