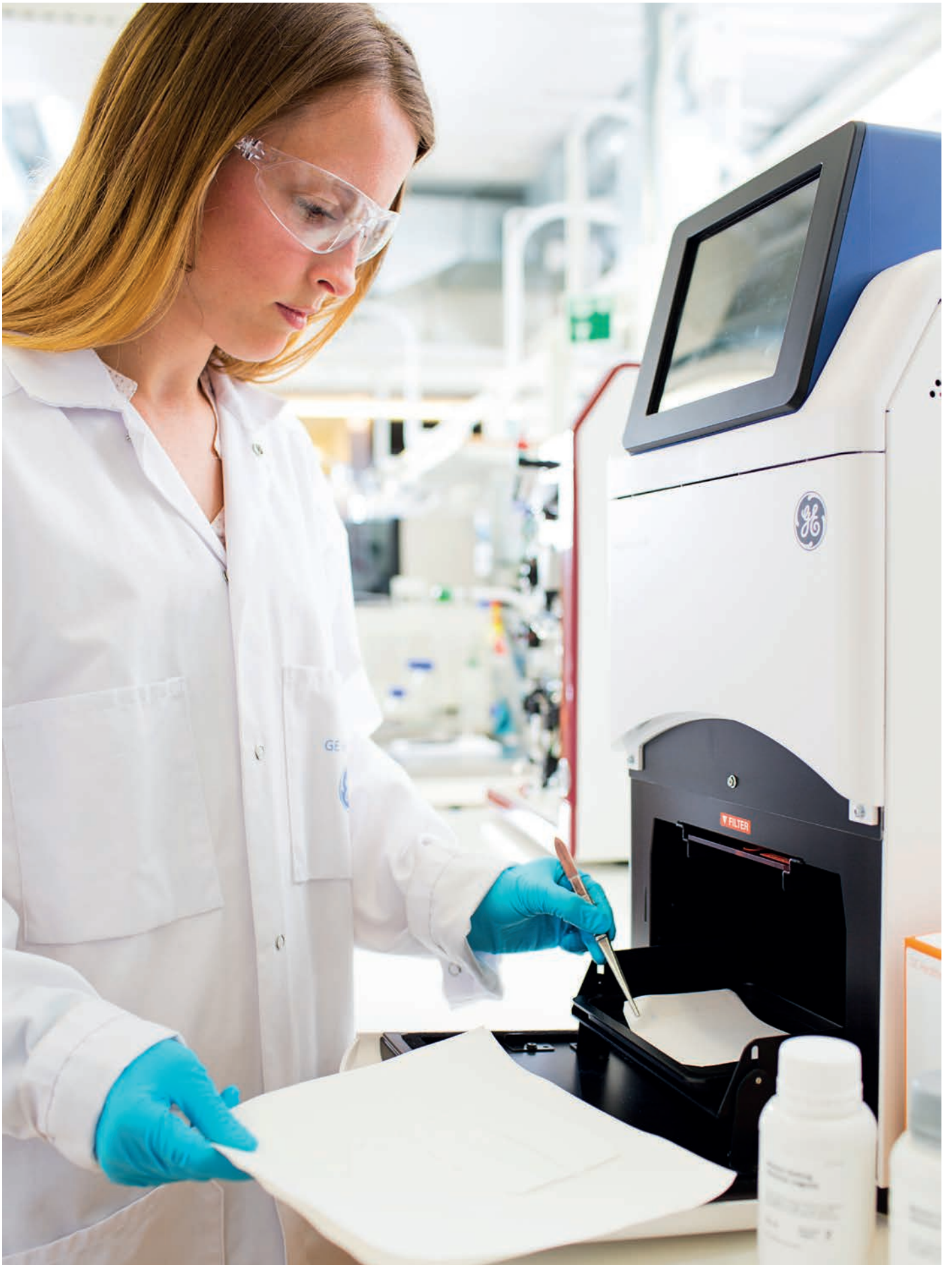




Amersham™ Western blotting membranes

Selection guide





Make the right membrane choice for success in Western blotting

GE Healthcare's Life Sciences solutions offers a broad selection 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.

The main advantage of NC membranes is the low background, regardless of detection method used. The low background makes NC membranes well-suited for applications where X-ray film is used for detection. In general, NC membranes are not recommended for stripping and reprobing, as they become brittle and difficult to handle when dry. However, Amersham Protran™ Supported NC membranes have an incorporated polyester support web for improved mechanical strength, allowing for stripping and reprobing of the membrane.

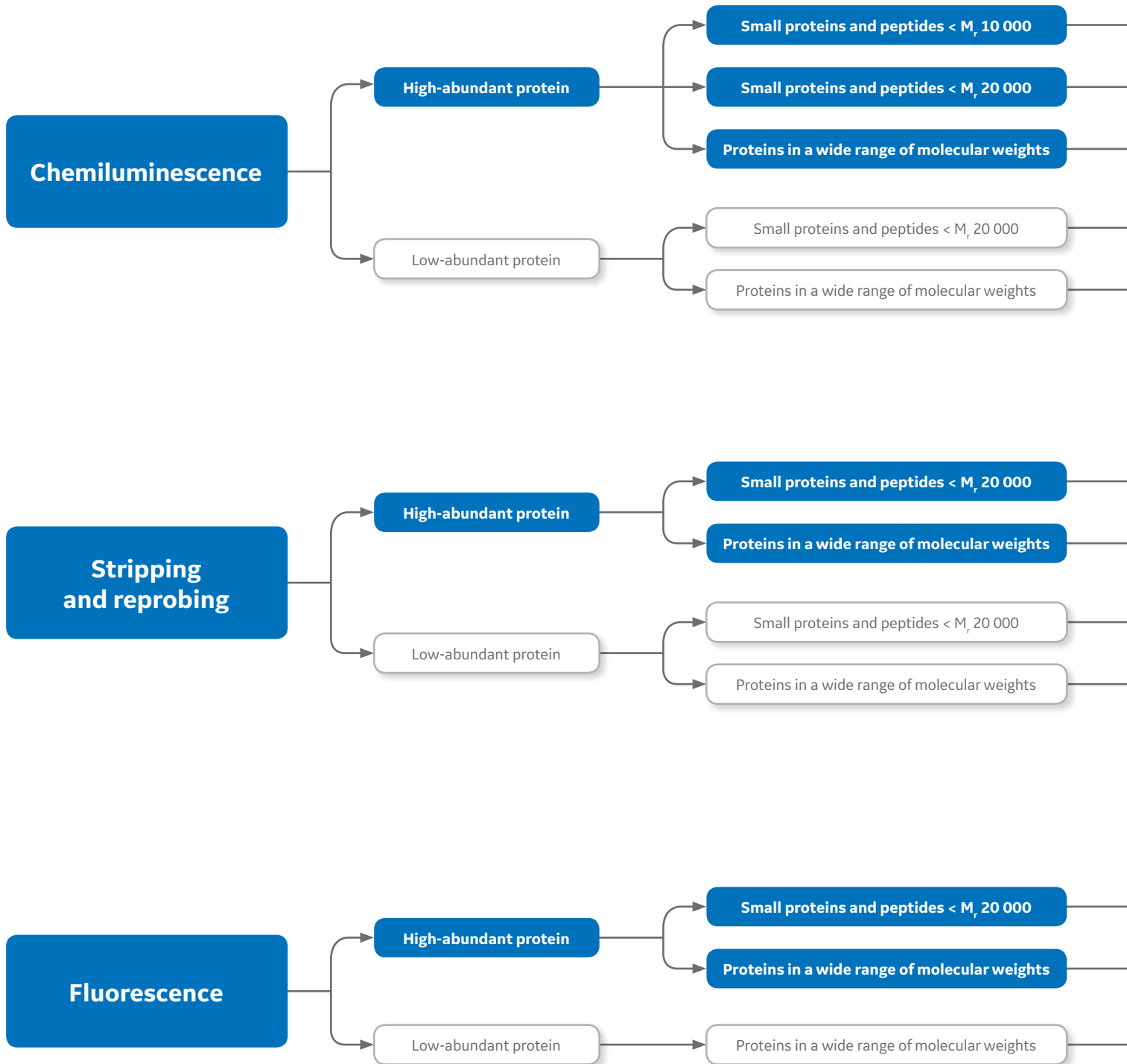
PVDF membranes have higher mechanical strength than NC membranes and are therefore more suitable for Western blotting applications where stripping and reprobing is needed. PVDF membranes exhibit higher protein binding capacity although often with higher background compared with NC membranes. For good results, a CCD imager is recommended for signal detection.

Amersham Western blotting membrane family includes:

- **Amersham Protran**, NC membranes with high affinity for proteins, great blocking ability, and compatibility with a range of detection methods
- **Amersham Protran Premium**, NC membranes with low background and high sensitivity and resolution, recommended for fluorescent detection systems
- **Amersham Protran Supported**, NC membranes supported by an inert polyester nonwoven material, giving the membranes exceptional handling characteristics that allows for stripping and reprobing of the membrane
- **Amersham Hybond™ P**, PVDF membranes with low background and high sensitivity and resolution, for all labeling and detection systems, but particularly recommended for chemiluminescence detection
- **Amersham Hybond LFP**, PVDF membranes specifically optimized for fluorescence detection methods
- **Amersham Hybond SEQ**, PVDF membranes specifically designed for protein sequencing applications and solid-phase amino acid analysis

Selection guide— Amersham Western blotting membranes

GE offers scientists with excellent membranes in a selection of rolls, sheets, and sandwiches.



Amersham Protran 0.1 NC

Amersham Protran 0.2 NC

Amersham Protran 0.45 NC

Amersham Hybond P 0.2 PVDF

Amersham Hybond P 0.45 PVDF

Amersham Protran Supported 0.2 NC

Amersham Protran Supported 0.45 NC

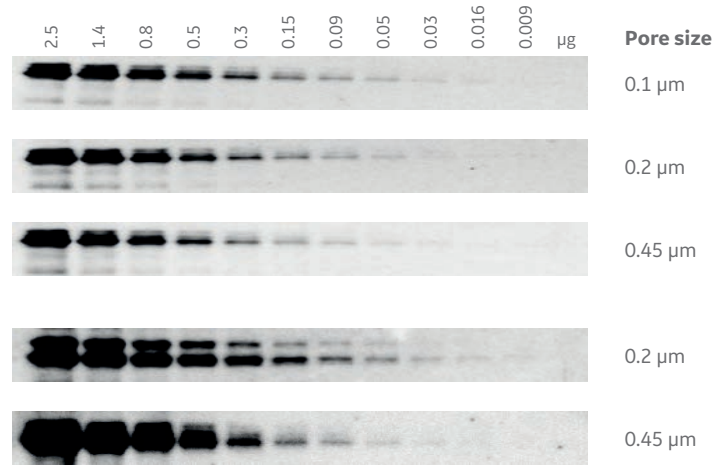
Amersham Hybond P 0.2 PVDF

Amersham Hybond P 0.45 PVDF

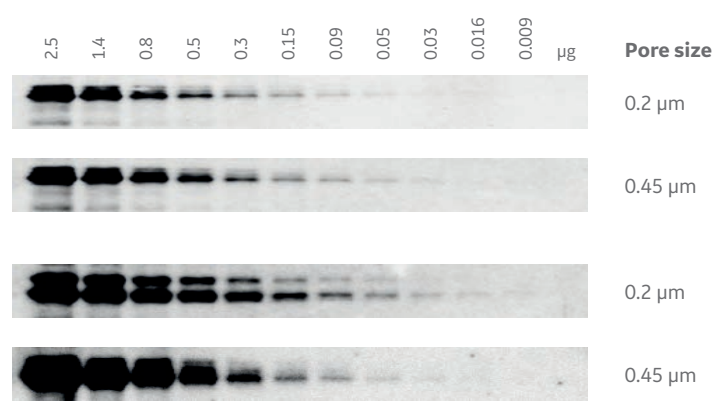
Amersham Protran Premium 0.2 NC

Amersham Protran Premium 0.45 NC

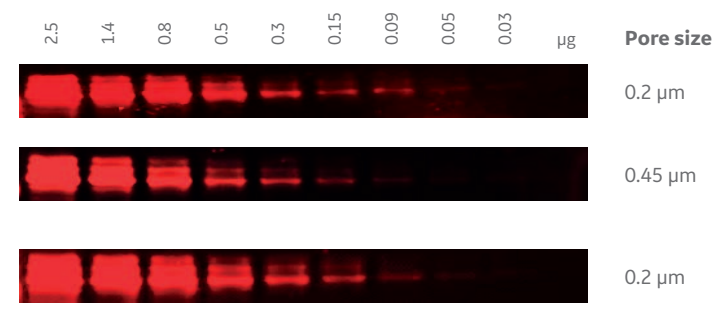
Amersham Hybond LFP 0.2 PVDF



Comparison of Amersham Protran and Amersham Hybond P membranes.



Comparison of Amersham Protran Supported and Amersham Hybond P membranes.



Comparison of Amersham Protran Premium and Amersham Hybond LFP membranes.

Ordering information

Nitrocellulose membranes

Product	Size	Quantity	Product code		
			0.1 µm	0.2 µm	0.45 µm
Amersham Protran	300 mm × 4 m	1 roll	10600000	10600001	10600002
Amersham Protran	200 mm × 4 m	1 roll	10600005	10600006	10600007
Amersham Protran	150 mm × 4 m	1 roll	10600010	10600011	10600012
Amersham Protran	300 × 600 mm	5 sheets	-	10600032	10600033
Amersham Protran	200 × 200 mm	25 sheets	10600045	10600043	10600041
Amersham Protran	200 × 200 mm	10 sheets	10600046	10600044	10600042
Amersham Protran	140 × 160 mm	25 sheets	-	-	10600062
Amersham Protran	102 × 133 mm	10 sheets	10600126	10600125	10600124
Amersham Protran	100 × 100 mm	25 sheets	10600076	-	-
Amersham Protran	100 × 100 mm	10 sheets	-	-	10600073
Amersham Protran	80 × 90 mm	25 sheets	-	10600094	10600093

Product	Size	Quantity	0.2 µm	0.45 µm
Amersham Protran Supported	300 mm × 4 m	1 roll	10600015	10600016
Amersham Protran Supported	200 mm × 4 m	1 roll	10600017	10600018
Amersham Protran Supported	150 mm × 4 m	1 roll	10600019	10600020
Amersham Protran Supported	300 × 600 mm	5 sheets	10600037	-
Amersham Protran Supported	200 × 200 mm	25 sheets	10600053	10600051
Amersham Protran Supported	200 × 200 mm	10 sheets	10600054	-
Amersham Protran Supported	102 × 133 mm	10 sheets	10600128	10600127

Product	Size	Quantity	0.2 µm	0.45 µm
Amersham Protran Premium	300 mm × 4 m	1 roll	10600004	10600003
Amersham Protran Premium	200 mm × 4 m	1 roll	10600009	10600008
Amersham Protran Premium	150 mm × 4 m	1 roll	10600014	10600013
Amersham Protran Premium	300 × 600 mm	5 sheets	-	10600034
Amersham Protran Premium	200 × 200 mm	25 sheets	-	10600047
Amersham Protran Premium	200 × 200 mm	10 sheets	-	10600048
Amersham Protran Premium	140 × 160 mm	25 sheets	-	10600065
Amersham Protran Premium	100 × 100 mm	25 sheets	10600080	-
Amersham Protran Premium	100 × 100 mm	10 sheets	-	10600079
Amersham Protran Premium	80 × 90 mm	25 sheets	-	10600096

Polyvinylidene difluoride membranes

Product	Size	Quantity	Product code	
			0.2 µm	0.45 µm
Amersham Hybond P	300 mm × 4 m	1 roll	-	10600023
Amersham Hybond P	260 mm × 4 m	1 roll	10600021	-
Amersham Hybond P	150 mm × 4 m	1 roll	-	10600029
Amersham Hybond P	300 × 600 mm	5 sheets	-	10600038
Amersham Hybond P	200 × 200 mm	25 sheets	10600057	-
Amersham Hybond P	200 × 200 mm	10 sheets	10600058	-
Amersham Hybond P	140 × 160 mm	25 sheets	-	10600069
Amersham Hybond P	100 × 100 mm	25 sheets	-	10600086
Amersham Hybond P	100 × 100 mm	10 sheets	-	10600087
Amersham Hybond P	80 × 90 mm	25 sheets	10600101	10600100

Polyvinylidene difluoride membranes

Product	Size	Quantity	Product code
			0.2 µm
Amersham Hybond LFP	254 mm × 4 m	1 roll	10600022
Amersham Hybond LFP	200 × 200 mm	10 sheets	10600060
Amersham Hybond LFP	80 × 90 mm	25 sheets	10600102
Amersham Hybond SEQ	260 mm × 4 m	1 roll	10600030
Amersham Hybond SEQ	200 × 200 mm	10 sheets	10600061

Precut membranes and filter papers

Product	Size	Quantity	Product code		
			0.1 µm	0.2 µm	0.45 µm
Amersham Protran sandwiches	80 × 90 mm	10 sandwiches	10600116	10600115	10600114
Amersham Protran Supported sandwiches	80 × 90 mm	10 sandwiches	-	10600120	10600119
Amersham Protran Premium sandwiches	80 × 90 mm	10 sandwiches	-	10600118	10600117
Amersham Hybond P sandwiches	80 × 90 mm	10 sandwiches	-	10600122	10600121
Amersham Hybond LFP sandwiches	80 × 90 mm	10 sandwiches	-	10600123	-



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