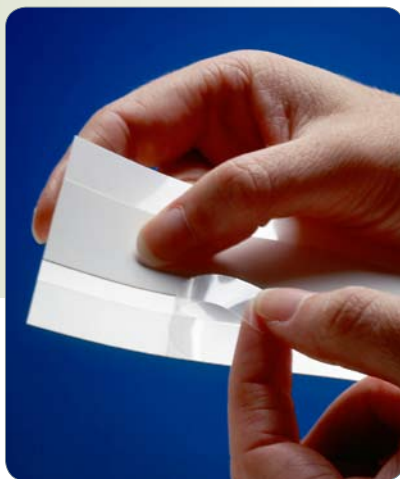


Hi-Flow™ Plus

Membrane Cards

Quality Hi-Flow Plus membranes, now sealed to easy-to-handle plastic cards

- ▶ Hi-Flow™ Plus Membrane Cards deliver the flow time specification you expect.
- ▶ Choose between 6 standard flow times to fit your development needs.
- ▶ Millipore's tough manufacturing standards assist your incoming quality control.



Bring Convenience to Your Clinical Diagnostic Device Production

Buying custom membrane cards from Millipore simplifies manufacturing and purchasing, giving you just one source for high-quality, lateral-flow membranes on a plastic card support.

Choose a Lateral-Flow Membrane Card That Works to Your Advantage

Millipore offers laminated membrane cards in both standard and custom sizes, with 6 Hi-Flow Plus membrane choices.

Consistent and Cost-Effective Manufacturing

Because we use a controlled process to cast our membranes to their backings, there's very little variability between membrane lots. Membranes are then precisely applied to substrates, so manufacturing defects such as trapped air or misalignment that sometimes troubles hand-assembly processes never occur. This consistency helps ensure that your production process is predictable, efficient and cost-effective.

Tough Standards Assist Your Incoming Quality Control

Millipore laminated membrane cards have smooth membrane surfaces with no rough edges and virtually no unincorporated nitrocellulose powder. Manufacturing methods for Hi-Flow Plus membrane cards are ISO 9001:2000 compliant.

Premium-Grade Hi-Flow Plus Membrane

Our manufacturing expertise and precise specifications translate into consistent performance in your device. Each membrane card delivers the flow time specification you expect. Millipore certifies that the capillary flow time of Hi-Flow Plus membranes has less than 25% variability.

Choose a Membrane

Choose from 6 membrane types, each cast on a clear, 2-mil polyester film backing. Each membrane type has a distinct flow rate range, so you can choose the one that exhibits the speed and sensitivity to suit your assay.

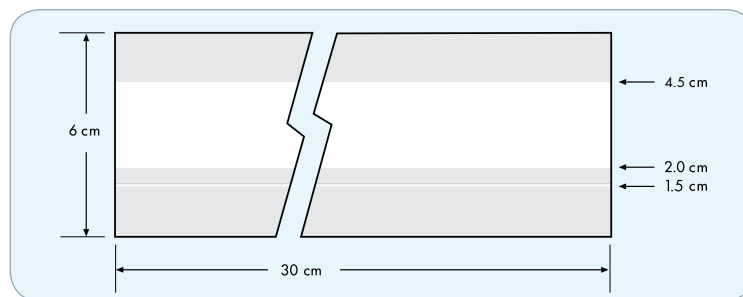
Speed	Membrane Type	Description	Flow Time (Seconds/4 cm)
Fast	HF075	For assays where sample and analyte are abundant and sensitivity is not a major concern	75 ± 19
	HF090		90 ± 23
Medium	HF120	For assays that require moderate speed and sensitivity	120 ± 30
	HF135		135 ± 34
	HF180		180 ± 45
Slow	HF240	For assays where sample is limited or high sensitivity is needed	240 ± 60

Choose a Card Size

Standard cards: 6 cm x 30 cm (± 0.05 cm)

Custom cards: Cards can be manufactured to lengths between 25 cm and 40 cm (± 2 mm) and widths between 3.8 cm and 10 cm (± 2 mm)

Both standard and custom cards are supplied with an acrylic PSA adhesive with coated-paper release liners.



Choose a Card Backing

Standard backing material: 10 mil (± 50 µm), white polystyrene

Custom backing materials:

Material	Thickness (+10%)	Approximate Relative Price*
Polystyrene, white	1.5 mil	1.5 X
Polyester, clear	5 mil	2 X
	10 mil	2.5 X
Polyester	5 mil	1.5 X
	10 mil	2.2 X
	1.5 mil	3 X

*Relative price compared to standard plastic backing. Actual price will vary upon volume, membrane dimensions and complexity of design.

Ordering Information

Standard Cards

Standard cards are available from stock in packages of 100 cards per box. One box minimum.



Description	Card Dimension	Quantity/Pk	Catalogue Number
Hi-Flow Plus 75 Membrane Cards	6 cm x 30 cm	100 cards	HF075 MC1 00
Hi-Flow Plus 90 Membrane Cards	6 cm x 30 cm	100 cards	HF090 MC1 00
Hi-Flow Plus 120 Membrane Cards	6 cm x 30 cm	100 cards	HF120 MC1 00
Hi-Flow Plus 135 Membrane Cards	6 cm x 30 cm	100 cards	HF135 MC1 00
Hi-Flow Plus 180 Membrane Cards	6 cm x 30 cm	100 cards	HF180 MC1 00
Hi-Flow Plus 240 Membrane Cards	6 cm x 30 cm	100 cards	HF240 MC1 00

Custom Cards

There is a minimum order quantity for custom cards.

Contact your local Business Development Manager for details and quote. Product is shipped in quantities of 100 per box.

Entire quantity must be shipped within 1 year of customer order.

Please note: order forms for custom membrane cards may be obtained from your Millipore OEM Business Development Manager.

Lead-time

- 2–4 weeks for standard membrane cards in stock.
- 12–14 weeks for initial orders for custom membrane cards.
- Lead-time for customized orders begins when Millipore and the customer approve a signed drawing and customer purchase order. Subsequent shipments from initial custom orders will be made in less than two weeks. Additional custom orders require a lead-time of 12–14 weeks.

Product Storage

- This product has a shelf-life of two years when stored at <50% relative humidity and <25 °C.
- Product must not be stored in direct sunlight. To allow for best adhesion, it is recommended that the cards be allowed to sit for 24 hours after lamination of sample and adsorbent pads before cutting into test strips. Millipore will not be responsible for or replace a product that is damaged due to improper manufacturing techniques.

Shipping and Returns

Because of the inherently fragile nature of nitrocellulose membranes, minor amounts of nitrocellulose debris may be present as a result of shipping the product (NC may chip off ends of cards). The presence of this minor nitrocellulose debris does not impede functionality. Therefore, Millipore will not accept a quality return (boxes or lots) that results from minor scratching or chipping on ends of cards.

Millipore provides innovative tools, services and application expertise that improve the scientist's productivity in the pharmaceutical, academic, life science, applied science, clinical and government research sectors. Our product range spans water purification, protein research, analytical sample preparation, cell-based assays and high throughput screening. Please visit www.millipore.com/bioscience for more details.

To Place an Order or Receive Technical Assistance

For additional information call your nearest Millipore office:

In the U.S. and Canada, call toll-free
1-800-MILLIPORE (1-800-645-5476)

In the U.S., Canada and Puerto Rico, fax orders to **1-800-MILLIFX (1-800-645-5439)**
Outside of North America, contact your local office. To find the office nearest you:

www.millipore.com/offices

Internet: www.millipore.com

Tech Service: www.millipore.com/techservice

Millipore Worldwide

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BALTIC COUNTRIES	+358 2 030 5645	MALAYSIA	03-7957-1322
BELGIUM	070 225 645	MEXICO	(55) 5576 9688
BRAZIL	(011) 5548-7011	MIDDLE EAST & GULF	+33 1 30 12 70 00
C.I.S.	+33 1 30 12 70 00	NORWAY	810 62 645
CANADA	(800) 645-5476	POLAND	22-669 12 25
CHINA	(8610) 8519 1250	PORTUGAL	901 516 645
CZECH REPUBLIC	2-2051 3841	PUERTO RICO	(787) 273-8495
DENMARK	7010 5645	SINGAPORE	6842 1822
EASTERN EUROPE	+33 1 30 12 70 00	SPAIN	901 516 645
FINLAND	0203 05 645	SWEDEN	0771 200 645
FRANCE	0825 045 645	SWITZERLAND	0848 645 645
GERMANY	01805 045 645	TAIWAN	886-2-2792-9333
HUNGARY	01-381-0433	THE NETHERLANDS	0900 7 645645
INDIA	(91) 80 283 946 57	U.K.	0870 900 46 45
IRELAND	1 890 924 645	U.S.A.	(800) 645-5476
ITALY	848 8 45 645	OTHER COUNTRIES	+1 (781) 533-8622

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