+357 96 030922
info@marketpublishers.com

# Global Immunochromatography NC Membrane Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/G6B103E48559EN.html
Date: February 2026
Pages: 117
Price: US$ 4,480.00 (Single User License)
ID: G6B103E48559EN

## Abstracts

The global Immunochromatography NC Membrane market size is expected to reach $ 175 million by 2032, rising at a market growth of 8.1% CAGR during the forecast period (2026-2032).

Immunochromatography (NC) membrane refers to the porous, capillary-driven substrate material in lateral flow test strips that enables liquid transport and immunoreaction on the strip. In its narrower, most common usage in the industry, the term primarily refers to the analytical/reaction membrane, typically a nitrocellulose (NC) membrane laminated onto a backing. NC membranes possess strong capillary action and high protein binding capacity, allowing the capture of biological reagents to be immobilized on both the test and control lines. As the liquid sample migrates laterally via capillary action, labeled detection conjugates (gold, latex, fluorescent particles, etc.) form complexes with the target analyte; these complexes are captured on the test line, producing a visible/quantifiable signal, while the control line confirms proper flow and reagent function. Note: In this report, 'nitrocellulose (NC) membrane' refers only to the LFIA analytical/reaction membrane used in lateral flow test strips and does not include nitrocellulose membranes used for Western blotting.

In 2025, the global Immunochromatography NC Membrane manufacturer's gross profit margin is estimated to be between 44.36% and 59.54%. Depending on the product's form, some companies use 'rolls' (100 meters/roll) as the unit of measurement, while others use 'sheets' or 'square meters' (1 square meter/sheet). Prices vary depending on product specifications. Retail prices are approximately US$100-285 per roll, with leading international companies generally charging higher prices than Chinese manufacturers. Company production capacity varies; some small companies have only one production line, producing 3,000 rolls per month, while others produce approximately 300,000

+357 96 030922
info@marketpublishers.com

square meters per year. This report calculates usage based on 'test counts,' projecting a global Immunochromatography NC Membrane production of 9,556 million tests in 2025. Upstream: Raw materials: cellulose (nitrocellulose, cellulose acetate, wetting agent liquid), solvents (methyl acetate, ethanol, dibutanol), PET film, glassine paper; Equipment: coating and cutting equipment, quality testing equipment, etc.; Downstream: in vitro diagnostics (IVD) and point-of-care testing (POCT) companies.

Market Trends

1. In 2023 and 2024, as the impact of the pandemic subsided, both sales volume and prices declined. Consequently, total market revenue in 2024 was lower than in 2021.
2. Products can be categorized into two types: membranes with a thickness of no more than 250 micrometers and membranes with a thickness greater than 250 micrometers. Membranes with a thickness of no more than 250 micrometers will be used in both 2024 and 2025. In 2025, 250 μm lateral flow immunoassay membranes will account for 89.3% of the global sales market share.
3. Applications are wide-ranging; this report categorizes them into medical diagnostics and point-of-care testing (POC), substance abuse detection, food safety and the environment, and other applications. The medical diagnostics and point-of-care testing (POC) sector is the most widely used application area, projected to account for approximately 79.82% of the global market size by 2025.
4. The United States, the European Union, China, and India are currently the main suppliers.
5. The Asia-Pacific region has been the largest market region globally for the past few years and is expected to continue growing in the coming years. It is projected that by 2024, the Asia-Pacific region will account for approximately 41.54% of the global market share, while Europe and North America will account for approximately 27.63% and 23.83%, respectively.
6. Merck, Sartorius, Danaher (Cytiva), AMD (MDI), and Suzhou Tianren are the major manufacturers in the global Immunochromatography NC Membrane market. It is projected that by 2025, the top five manufacturers will account for approximately 80.15% of the global market share.

Market Overview

Multi-scenario, Long-Cycle Consumption: Following the peak of the COVID-19 pandemic, lateral flow immunoassay (LFA) has maintained stable demand in areas such as infectious diseases, women's health, substance abuse, food safety, and veterinary testing. Looking ahead, demand will be driven by diversified testing product portfolios rather than single blockbuster products; therefore, the continuity of NC

+357 96 030922
info@marketpublishers.com

membrane supply and batch-to-batch consistency will receive greater attention.

Home Testing and Retail Channel Expansion, Intensified Price Competition: Home testing remains the primary driver of demand for lateral flow immunoassay (LFA) (especially in women's health and respiratory infections). In the future, more testing will shift to home testing, which will drive the development of NC membranes towards high-throughput roll-to-roll supply, automation-friendly specifications, and stricter control over capillary rate variations and background values. In terms of cost, post-pandemic, human chorionic gonadotropin (HCG) testing is the largest application area in the market. As the field is quite mature, companies compete by lowering prices and costs, with most using 20mm or 18mm pure nitrocellulose (NC) products.

High sensitivity and lower detection limits: Recent LFA development focuses on improving sensitivity and specificity (including signal enhancement, sample enrichment, advanced labeling, and improved analytical methods). A corresponding trend at the membrane end is that developers are increasingly focusing on balancing speed and performance through capillary action time (slower capillary action times generally improve sensitivity), pore structure, and surfactant treatment, making membrane screening a key step in assay optimization.

Multiple detection and more detection lines: Lateral flow immunochromatography (LFA) (detection of multiple targets on a single strip/cassette) is a significant advancement in rapid diagnostics. This raises the requirements for membranes, including uniform surface chemistry/porosity, clean and consistent multi-strip performance, lower background, and stable lateral flow characteristics—which often leads to a more segmented membrane portfolio (offering multiple SKUs based on capillary action rate/pore structure/surfactant system).

High-throughput, automated, and standardized membranes: Demand for lateral flow immunochromatography (LFA) membranes is expected to continue to grow, particularly for high-throughput, automated, and standardized membranes, driven by multiplexing, digital readings, point-of-care testing (POCT), and their wider applications in public health, food safety, and environmental monitoring. Suppliers capable of scaling up production capacity, ensuring consistent quality, and building global supply chain resilience will solidify their competitive advantage in the evolving diagnostics field.

This report studies the global Immunochromatography NC Membrane production, demand, key manufacturers, and key regions.

+357 96 030922
info@marketpublishers.com

This report is a detailed and comprehensive analysis of the world market for Immunochromatography NC Membrane and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Immunochromatography NC Membrane that contribute to its increasing demand across many markets.

**Highlights and key features of the study**

Global Immunochromatography NC Membrane total production and demand, 2021-2032, (M Tests)
Global Immunochromatography NC Membrane total production value, 2021-2032, (USD Million)
Global Immunochromatography NC Membrane production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (M Tests), (based on production site)
Global Immunochromatography NC Membrane consumption by region & country, CAGR, 2021-2032 & (M Tests)
U.S. VS China: Immunochromatography NC Membrane domestic production, consumption, key domestic manufacturers and share
Global Immunochromatography NC Membrane production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (M Tests)
Global Immunochromatography NC Membrane production by Type, production, value, CAGR, 2021-2032, (USD Million) & (M Tests)
Global Immunochromatography NC Membrane production by Application, production, value, CAGR, 2021-2032, (USD Million) & (M Tests)

This report profiles key players in the global Immunochromatography NC Membrane market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Merck, Sartorius, Danaher (Cytiva), Advantec, Advanced Microdevices (MDI), Equinox Biotech, Tianren, Zhejiang Tailin Bioengineering, BSK Basic, Beijia New Material, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Immunochromatography NC Membrane market

+357 96 030922
info@marketpublishers.com

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (M Tests) and average price (US$/K Tests) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Immunochromatography NC Membrane Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Immunochromatography NC Membrane Market, Segmentation by Type:

Thickness max. 250 µm

Thickness above 250 µm

Global Immunochromatography NC Membrane Market, Segmentation by Material:

Polyester-backed NC

Unbacked Nitrocellulose (NC)

+357 96 030922
info@marketpublishers.com

Global Immunochromatography NC Membrane Market, Segmentation by Wicking Rate (s/4 cm):

Standard-Flow (Medium): 100–140s/4cm

High-Flow (Fast): 140s/4cm

Global Immunochromatography NC Membrane Market, Segmentation by Application:

Medical Diagnostics and Point-of-Care (POC)

Drug of Abuse Testing

Food Safety and Environmental

Other Applications

Companies Profiled:

Merck

Sartorius

Danaher (Cytiva)

Advantec

Advanced Microdevices (MDI)

Equinox Biotech

Tianren

Zhejiang Tailin Bioengineering

+357 96 030922
info@marketpublishers.com

BSK Basic

Beijia New Material

Kingfa

Cobetter

**Key Questions Answered:**

1. How big is the global Immunochromatography NC Membrane market?
2. What is the demand of the global Immunochromatography NC Membrane market?
3. What is the year over year growth of the global Immunochromatography NC Membrane market?
4. What is the production and production value of the global Immunochromatography NC Membrane market?
5. Who are the key producers in the global Immunochromatography NC Membrane market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

# Contents

+357 96 030922
info@marketpublishers.com



## 3 WORLD AUTOMOTIVE MEMS COMPONENT FOUNDRY SERVICE COMPANIES COMPETITIVE ANALYSIS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com



## 6 MARKET ANALYSIS BY TECHNOLOGY



## 7 MARKET ANALYSIS BY FUNCTIONAL CATEGORY

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com



## 10 INDUSTRY CHAIN ANALYSIS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

# List Of Tables

## LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

# List Of Figures

## LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

## I would like to order

Product name: Global Immunochromatography NC Membrane Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/G6B103E48559EN.html

Price: US$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G6B103E48559EN.html