

# **Southern Blotting Market Forecasts to 2034 – Global Analysis By Product (Consumables, Instruments and Other Products), Application, End User and By Geography**

<https://marketpublishers.com/r/SC92D02F0659EN.html>

Date: April 2026

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: SC92D02F0659EN

## **Abstracts**

According to Statistics MRC, the Global Southern Blotting Market is accounted for \$2.8 billion in 2026 and is expected to reach \$4.7 billion by 2034 growing at a CAGR of 6.8% during the forecast period. The molecular biology technique known as 'Southern Blotting'—which is used to identify particular DNA sequences—and its commercialization are referred to as the 'Southern Blotting Market.' In order to satisfy the demands of researchers and laboratories performing genetic analysis, the market includes the production, distribution, and retailing of Southern blotting kits, reagents, and tools.

According to National Organization of Rare Diseases, it is estimated that there are 7000 rare genetic diseases prevalent globally and 11% of total U.S. population is suffering with rare disorders.

Market Dynamics:

Driver:

Rising investments in life sciences

The demand for sophisticated molecular techniques like Southern blotting rises rapidly as funding in the life sciences sector keeps increasing, especially for research involving genomics and molecular biology. Accurate and reliable genetic analysis methods are essential for studies that attempt to discover genetic variants, understand the intricacies of the human genome, and create targeted therapeutics for a range of disorders.

Additionally, government agencies, for-profit businesses, and biotechnology firms all contribute financially to the advancement of Southern blotting technology through promoting innovation.

Restraint:

Cost considerations

The cost of performing Southern blotting can be witnessed as high due to multiple considerations, even if the reagents may not be unreasonably expensive by themselves. The labor-intensive nature of the approach means that professional staff are needed, which raises labor costs. Additionally, the process often requires specialized equipment for blotting and gel electrophoresis, which raises the initial expenditure.

Opportunity:

Genomic research advancements

The demand for reliable and precise methods to examine DNA sequences grows as the discipline of genomics continues to develop. Southern blotting continues to be a vital tool for genomic researchers because of its capacity to identify certain DNA sequences and offer insights into gene expression, genomic variants, and epigenetic alterations. Additionally, the dynamic field of genomic research, represented by endeavors like functional genomics, genome mapping, and personalized medicine programs, highlights the ongoing need for Southern blotting methods.

Threat:

High competition in the diagnostic sector

Next-generation sequencing (NGS) and polymerase chain reaction (PCR) are both instances of the many sophisticated, high-throughput technologies that Southern blotting has to compete within the clinical diagnostics sector. Diagnostic labs seeking efficiency and cost-effectiveness might discover these alternatives attractive since they can analyze numerous samples simultaneously, provide faster results, and are more sensitive. However, the difficulty of launching into the market is made more difficult by the desire for these rapid and automated diagnostic techniques, which frequently demand less manual labor than Southern blotting.

### Covid-19 Impact:

Growth in the market was temporarily hindered by supply chain interruptions and restrictions on laboratory operations during lockdowns. Several research projects were canceled or postponed, which affected the need for molecular biology methods like Southern blotting. Resources allocated for non-urgent examines were also impacted by budgetary restrictions in academic and research organizations and a change in priority towards COVID-19-related research. However, the epidemic also highlighted the value of genetic studies, as evidenced by the rise in viral genomic studies.

The consumables segment is expected to be the largest during the forecast period

Due to the growing demand for consumables such as membranes, buffers, probes, and reagents spurred on by the widespread use of the Southern blotting market, the consumables segment is predicted to increase profitably throughout the projected period. Demand for consumables rises in accordance with Southern blotting's continued importance as a key technique for a range of applications, such as genetic research, diagnostics, and forensics. Furthermore, the simplicity of use and effectiveness of Southern blotting techniques are further enhanced by advancements in consumer products, such as the creation of pre-made kits and enhanced reagent designs.

The forensic labs segment is expected to have the highest CAGR during the forecast period

Due to their capacity to deliver precise and comprehensive information on DNA sequences, the forensic laboratories segment is expected to increase at a rapid rate over the projected period. This information is particularly useful for forensic investigations involving crime scene analysis, paternity testing, and individual identification. Southern blotting provides forensic labs with an effective method for accurate DNA fingerprinting because of its high specificity and sensitivity, which also contribute to its dependability in detecting genetic differences. Moreover, southern blotting continues to be at the cutting edge because it maintains the stringent requirements of forensic applications, even as forensic research progresses and necessitates precise genetic analysis.

Region with largest share:

Due to the growing emphasis on genomics and molecular biology research in nations

like China, India, Japan, and South Korea, which has increased the demand for advanced genetic analysis techniques, the Asia-Pacific region held the largest market share throughout the projected period. Additionally, the use of Southern blotting for a variety of applications is being fueled by the region's growing pharmaceutical and biotechnology businesses as well as increased investments in life sciences.

#### Region with highest CAGR:

Due to the rising demand for accurate genetic analysis tools and the growing awareness of personalized medicine and genetic illnesses, the Asia-Pacific area is expected to have lucrative growth throughout the projected period. Southern blotting has implications for the diagnosis of genetic illnesses and the understanding of the genetic basis of many health issues due to its capacity to offer deep insights into DNA fragments. Additionally, the market in the region is expanding in part because of the availability of affordable solutions and the increasing number of market players providing Southern blotting kits and consumables.

#### Key players in the market

Some of the key players in Southern Blotting market include Agilent Technologies, Aplegan, Applied Bio systems, BioRad Laboratories, Cleaver Scientific Ltd, Pall Life Science Laboratories, Perkin Elmer Inc. and ThermoFisher Scientific.

#### Key Developments:

In December 2023, Goldman Sachs has decided to maintain its positive outlook on Agilent Technologies and has increased its price target for the company from \$128.00 to \$145.00. This upward revision represents a significant 12.48% increase from the current share price of \$128.91.

In December 2023, Agilent Technologies is enhancing its BioTek product line on the back of portfolio expansions and technology upgrades. Notably, Agilent enhanced the BioTek Cytation C10 confocal imaging reader with the addition of water immersion and confocal spinning disk technology.

#### Products Covered:

Consumables

Instruments

Other Products

Applications Covered:

Genetic Fingerprinting and Sex Determination

Agricultural Applications

Medical Diagnosis

Scientific Research

Other Applications

End Users Covered:

Forensic Labs

Contract Research Organizations

Academic Research Institute

Pharmaceutical and Biotechnology Industry

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

#### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

#### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

#### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Product Analysis
- 3.7 Application Analysis
- 3.8 End User Analysis
- 3.9 Emerging Markets
- 3.10 Impact of Covid-19

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

## **5 GLOBAL SOUTHERN BLOTTING MARKET, BY PRODUCT**

- 5.1 Introduction
- 5.2 Consumables
- 5.3 Instruments
- 5.4 Other Products

## **6 GLOBAL SOUTHERN BLOTTING MARKET, BY APPLICATION**

- 6.1 Introduction
- 6.2 Genetic Fingerprinting and Sex Determination
- 6.3 Agricultural Applications
- 6.4 Medical Diagnosis
- 6.5 Scientific Research
- 6.6 Other Applications

## **7 GLOBAL SOUTHERN BLOTTING MARKET, BY END USER**

- 7.1 Introduction
- 7.2 Forensic Labs
- 7.3 Contract Research Organizations
- 7.4 Academic Research Institute
- 7.5 Pharmaceutical and Biotechnology Industry
- 7.6 Other End Users

## **8 GLOBAL SOUTHERN BLOTTING MARKET, BY GEOGRAPHY**

- 8.1 Introduction
- 8.2 North America
  - 8.2.1 US
  - 8.2.2 Canada
  - 8.2.3 Mexico
- 8.3 Europe
  - 8.3.1 Germany
  - 8.3.2 UK
  - 8.3.3 Italy
  - 8.3.4 France
  - 8.3.5 Spain

- 8.3.6 Rest of Europe
- 8.4 Asia Pacific
  - 8.4.1 Japan
  - 8.4.2 China
  - 8.4.3 India
  - 8.4.4 Australia
  - 8.4.5 New Zealand
  - 8.4.6 South Korea
  - 8.4.7 Rest of Asia Pacific
- 8.5 South America
  - 8.5.1 Argentina
  - 8.5.2 Brazil
  - 8.5.3 Chile
  - 8.5.4 Rest of South America
- 8.6 Middle East & Africa
  - 8.6.1 Saudi Arabia
  - 8.6.2 UAE
  - 8.6.3 Qatar
  - 8.6.4 South Africa
  - 8.6.5 Rest of Middle East & Africa

## **9 KEY DEVELOPMENTS**

- 9.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 9.2 Acquisitions & Mergers
- 9.3 New Product Launch
- 9.4 Expansions
- 9.5 Other Key Strategies

## **10 COMPANY PROFILING**

- 10.1 Agilent Technologies
- 10.2 Aplegan
- 10.3 Applied Bio systems
- 10.4 BioRad Laboratories
- 10.5 Cleaver Scinetific Ltd
- 10.6 Pall Life Science Laboratories
- 10.7 Perkin Elmer Inc.
- 10.8 ThermoFisher Scientific



## List Of Tables

### LIST OF TABLES

- Table 1 Global Southern Blotting Market Outlook, By Region (2023–2034) (\$MN)
- Table 2 Global Southern Blotting Market Outlook, By Product (2023–2034) (\$MN)
- Table 3 Global Southern Blotting Market Outlook, By Consumables (2023–2034) (\$MN)
- Table 4 Global Southern Blotting Market Outlook, By Instruments (2023–2034) (\$MN)
- Table 5 Global Southern Blotting Market Outlook, By Other Products (2023–2034) (\$MN)
- Table 6 Global Southern Blotting Market Outlook, By Application (2023–2034) (\$MN)
- Table 7 Global Southern Blotting Market Outlook, By Genetic Fingerprinting and Sex Determination (2023–2034) (\$MN)
- Table 8 Global Southern Blotting Market Outlook, By Agricultural Applications (2023–2034) (\$MN)
- Table 9 Global Southern Blotting Market Outlook, By Medical Diagnosis (2023–2034) (\$MN)
- Table 10 Global Southern Blotting Market Outlook, By Scientific Research (2023–2034) (\$MN)
- Table 11 Global Southern Blotting Market Outlook, By Other Applications (2023–2034) (\$MN)
- Table 12 Global Southern Blotting Market Outlook, By End User (2023–2034) (\$MN)
- Table 13 Global Southern Blotting Market Outlook, By Forensic Labs (2023–2034) (\$MN)
- Table 14 Global Southern Blotting Market Outlook, By Contract Research Organizations (2023–2034) (\$MN)
- Table 15 Global Southern Blotting Market Outlook, By Academic Research Institute (2023–2034) (\$MN)
- Table 16 Global Southern Blotting Market Outlook, By Pharmaceutical and Biotechnology Industry (2023–2034) (\$MN)
- Table 17 Global Southern Blotting Market Outlook, By Other End Users (2023–2034) (\$MN)
- Table 18 North America Southern Blotting Market Outlook, By Country (2023–2034) (\$MN)
- Table 19 North America Southern Blotting Market Outlook, By Product (2023–2034) (\$MN)
- Table 20 North America Southern Blotting Market Outlook, By Consumables (2023–2034) (\$MN)
- Table 21 North America Southern Blotting Market Outlook, By Instruments (2023–2034)

(\$MN)

Table 22 North America Southern Blotting Market Outlook, By Other Products (2023–2034) (\$MN)

Table 23 North America Southern Blotting Market Outlook, By Application (2023–2034) (\$MN)

Table 24 North America Southern Blotting Market Outlook, By Genetic Fingerprinting and Sex Determination (2023–2034) (\$MN)

Table 25 North America Southern Blotting Market Outlook, By Agricultural Applications (2023–2034) (\$MN)

Table 26 North America Southern Blotting Market Outlook, By Medical Diagnosis (2023–2034) (\$MN)

Table 27 North America Southern Blotting Market Outlook, By Scientific Research (2023–2034) (\$MN)

Table 28 North America Southern Blotting Market Outlook, By Other Applications (2023–2034) (\$MN)

Table 29 North America Southern Blotting Market Outlook, By End User (2023–2034) (\$MN)

Table 30 North America Southern Blotting Market Outlook, By Forensic Labs (2023–2034) (\$MN)

Table 31 North America Southern Blotting Market Outlook, By Contract Research Organizations (2023–2034) (\$MN)

Table 32 North America Southern Blotting Market Outlook, By Academic Research Institute (2023–2034) (\$MN)

Table 33 North America Southern Blotting Market Outlook, By Pharmaceutical and Biotechnology Industry (2023–2034) (\$MN)

Table 34 North America Southern Blotting Market Outlook, By Other End Users (2023–2034) (\$MN)

Table 35 Europe Southern Blotting Market Outlook, By Country (2023–2034) (\$MN)

Table 36 Europe Southern Blotting Market Outlook, By Product (2023–2034) (\$MN)

Table 37 Europe Southern Blotting Market Outlook, By Consumables (2023–2034) (\$MN)

Table 38 Europe Southern Blotting Market Outlook, By Instruments (2023–2034) (\$MN)

Table 39 Europe Southern Blotting Market Outlook, By Other Products (2023–2034) (\$MN)

Table 40 Europe Southern Blotting Market Outlook, By Application (2023–2034) (\$MN)

Table 41 Europe Southern Blotting Market Outlook, By Genetic Fingerprinting and Sex Determination (2023–2034) (\$MN)

Table 42 Europe Southern Blotting Market Outlook, By Agricultural Applications (2023–2034) (\$MN)

- Table 43 Europe Southern Blotting Market Outlook, By Medical Diagnosis (2023–2034) (\$MN)
- Table 44 Europe Southern Blotting Market Outlook, By Scientific Research (2023–2034) (\$MN)
- Table 45 Europe Southern Blotting Market Outlook, By Other Applications (2023–2034) (\$MN)
- Table 46 Europe Southern Blotting Market Outlook, By End User (2023–2034) (\$MN)
- Table 47 Europe Southern Blotting Market Outlook, By Forensic Labs (2023–2034) (\$MN)
- Table 48 Europe Southern Blotting Market Outlook, By Contract Research Organizations (2023–2034) (\$MN)
- Table 49 Europe Southern Blotting Market Outlook, By Academic Research Institute (2023–2034) (\$MN)
- Table 50 Europe Southern Blotting Market Outlook, By Pharmaceutical and Biotechnology Industry (2023–2034) (\$MN)
- Table 51 Europe Southern Blotting Market Outlook, By Other End Users (2023–2034) (\$MN)
- Table 52 Asia Pacific Southern Blotting Market Outlook, By Country (2023–2034) (\$MN)
- Table 53 Asia Pacific Southern Blotting Market Outlook, By Product (2023–2034) (\$MN)
- Table 54 Asia Pacific Southern Blotting Market Outlook, By Consumables (2023–2034) (\$MN)
- Table 55 Asia Pacific Southern Blotting Market Outlook, By Instruments (2023–2034) (\$MN)
- Table 56 Asia Pacific Southern Blotting Market Outlook, By Other Products (2023–2034) (\$MN)
- Table 57 Asia Pacific Southern Blotting Market Outlook, By Application (2023–2034) (\$MN)
- Table 58 Asia Pacific Southern Blotting Market Outlook, By Genetic Fingerprinting and Sex Determination (2023–2034) (\$MN)
- Table 59 Asia Pacific Southern Blotting Market Outlook, By Agricultural Applications (2023–2034) (\$MN)
- Table 60 Asia Pacific Southern Blotting Market Outlook, By Medical Diagnosis (2023–2034) (\$MN)
- Table 61 Asia Pacific Southern Blotting Market Outlook, By Scientific Research (2023–2034) (\$MN)
- Table 62 Asia Pacific Southern Blotting Market Outlook, By Other Applications (2023–2034) (\$MN)
- Table 63 Asia Pacific Southern Blotting Market Outlook, By End User (2023–2034) (\$MN)

Table 64 Asia Pacific Southern Blotting Market Outlook, By Forensic Labs (2023–2034) (\$MN)

Table 65 Asia Pacific Southern Blotting Market Outlook, By Contract Research Organizations (2023–2034) (\$MN)

Table 66 Asia Pacific Southern Blotting Market Outlook, By Academic Research Institute (2023–2034) (\$MN)

Table 67 Asia Pacific Southern Blotting Market Outlook, By Pharmaceutical and Biotechnology Industry (2023–2034) (\$MN)

Table 68 Asia Pacific Southern Blotting Market Outlook, By Other End Users (2023–2034) (\$MN)

Table 69 South America Southern Blotting Market Outlook, By Country (2023–2034) (\$MN)

Table 70 South America Southern Blotting Market Outlook, By Product (2023–2034) (\$MN)

Table 71 South America Southern Blotting Market Outlook, By Consumables (2023–2034) (\$MN)

Table 72 South America Southern Blotting Market Outlook, By Instruments (2023–2034) (\$MN)

Table 73 South America Southern Blotting Market Outlook, By Other Products (2023–2034) (\$MN)

Table 74 South America Southern Blotting Market Outlook, By Application (2023–2034) (\$MN)

Table 75 South America Southern Blotting Market Outlook, By Genetic Fingerprinting and Sex Determination (2023–2034) (\$MN)

Table 76 South America Southern Blotting Market Outlook, By Agricultural Applications (2023–2034) (\$MN)

Table 77 South America Southern Blotting Market Outlook, By Medical Diagnosis (2023–2034) (\$MN)

Table 78 South America Southern Blotting Market Outlook, By Scientific Research (2023–2034) (\$MN)

Table 79 South America Southern Blotting Market Outlook, By Other Applications (2023–2034) (\$MN)

Table 80 South America Southern Blotting Market Outlook, By End User (2023–2034) (\$MN)

Table 81 South America Southern Blotting Market Outlook, By Forensic Labs (2023–2034) (\$MN)

Table 82 South America Southern Blotting Market Outlook, By Contract Research Organizations (2023–2034) (\$MN)

Table 83 South America Southern Blotting Market Outlook, By Academic Research

Institute (2023–2034) (\$MN)

Table 84 South America Southern Blotting Market Outlook, By Pharmaceutical and Biotechnology Industry (2023–2034) (\$MN)

Table 85 South America Southern Blotting Market Outlook, By Other End Users (2023–2034) (\$MN)

Table 86 Middle East & Africa Southern Blotting Market Outlook, By Country (2023–2034) (\$MN)

Table 87 Middle East & Africa Southern Blotting Market Outlook, By Product (2023–2034) (\$MN)

Table 88 Middle East & Africa Southern Blotting Market Outlook, By Consumables (2023–2034) (\$MN)

Table 89 Middle East & Africa Southern Blotting Market Outlook, By Instruments (2023–2034) (\$MN)

Table 90 Middle East & Africa Southern Blotting Market Outlook, By Other Products (2023–2034) (\$MN)

Table 91 Middle East & Africa Southern Blotting Market Outlook, By Application (2023–2034) (\$MN)

Table 92 Middle East & Africa Southern Blotting Market Outlook, By Genetic Fingerprinting and Sex Determination (2023–2034) (\$MN)

Table 93 Middle East & Africa Southern Blotting Market Outlook, By Agricultural Applications (2023–2034) (\$MN)

Table 94 Middle East & Africa Southern Blotting Market Outlook, By Medical Diagnosis (2023–2034) (\$MN)

Table 95 Middle East & Africa Southern Blotting Market Outlook, By Scientific Research (2023–2034) (\$MN)

Table 96 Middle East & Africa Southern Blotting Market Outlook, By Other Applications (2023–2034) (\$MN)

Table 97 Middle East & Africa Southern Blotting Market Outlook, By End User (2023–2034) (\$MN)

Table 98 Middle East & Africa Southern Blotting Market Outlook, By Forensic Labs (2023–2034) (\$MN)

Table 99 Middle East & Africa Southern Blotting Market Outlook, By Contract Research Organizations (2023–2034) (\$MN)

Table 100 Middle East & Africa Southern Blotting Market Outlook, By Academic Research Institute (2023–2034) (\$MN)

Table 101 Middle East & Africa Southern Blotting Market Outlook, By Pharmaceutical and Biotechnology Industry (2023–2034) (\$MN)

Table 102 Middle East & Africa Southern Blotting Market Outlook, By Other End Users (2023–2034) (\$MN)

## I would like to order

Product name: Southern Blotting Market Forecasts to 2034 – Global Analysis By Product (Consumables, Instruments and Other Products), Application, End User and By Geography

Product link: <https://marketpublishers.com/r/SC92D02F0659EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SC92D02F0659EN.html>