

Multiplex Assay Market by Type (Nucleic Acid-Based Multiplex Assays, Protein-Based Multiplex Assays, and Others), Product (Multiplex Assay Reagents & Consumables, Multiplex Assay Accessories & Instruments, and Multiplex Assay Software & Services), Technology (Multiplex PCR, Multiplex Protein Microarray, and Others), Application (Companion Diagnostics, Research & Development (Drug Development and Biomarker Discovery & Validation), and Clinical Diagnostics) and End User (Hospitals, Clinical Laboratories, Research Institutes, and Pharmaceuticals & Biotechnological Companies): Global Opportunity Analysis and Industry Forecast, 2019–2026

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Abstracts

The global multiplex assays market accounted for \$73.2 million in 2018, and is expected to reach \$123.1 million by 2026, growing at a CAGR of 6.6% from 2019 to 2026.

Multiplex immunoassays conjugates assays for several target analytes in a single reaction volume, minimizing workflow and sample volume difficulties. In addition, this assay provides a gain in assay dynamic range, and is used to amplify multiple targets in a polymerase chain reaction (PCR) and collect more information from minute quantities of proteins or other analytes in lesser time as compared to conventional methods such



as singleplex ELISA. Multiplex assays finds its application in pathogen identification, mutation analysis, RNA detection, gene detection analysis, linkage analysis, forensic studies, and others.

Multiplex assays hold enormous potential in the R&D of drugs for the treatment of diseases, such as cancer and cardiovascular diseases that drives the market growth for theses assays. For instance, bead-based Luminex xMAP multiplex assay provides a platform for cancer biomarker assays, which are compatible with plasma, serum, cultured cells, and other biological samples. In addition, surge in adoption of multiplex assays to reduce operation costs and rise in adoption of personalized medicines are anticipated to boost the market growth. However, high capital investment and dearth of skilled labors are the major factors that hinder the market growth. On the contrary, the emerging economies of Asia-Pacific and LAMEA regions offer lucrative growth opportunities for the expansion of multiplex assays market, due to improvement in healthcare infrastructure in these regions and increase in demand for better healthcare services from majority of the patient population.

The global multiplex assays market in this report is studied based on type, product, technology, application, end user, and region. On the basis of type, the market is divided into nucleic acid-based, protein-based multiplex assays, and others. By product, it is classified into multiplex assay reagents & consumables, multiplex assay instruments & accessories, and multiplex assay software & services. Depending on technology, it is fragmented into nucleic acid-based, protein-based multiplex assays, and others. As per application, it is segregated into companion diagnostics, research & development, clinical diagnostics, and others. According to end user, it is classified into hospitals, clinical laboratories, research institutes, and pharmaceuticals & biotechnological companies. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

KEY BENEFITS FOR STAKEHOLDERS

The study provides an in-depth analysis of the global multiplex assay market along with the current trends and future estimations to elucidate the imminent investment pockets.

A comprehensive analysis of the factors that drive and restrict the market growth is provided.

A comprehensive quantitative analysis of the industry is provided from 2018 to



2025 to assist stakeholders to capitalize on the prevailing market opportunities.

An extensive analysis of the key segments of the industry helps to understand the global trends in the multiplex assay market.

Key players and their strategies are provided to understand the competitive outlook of the industry.

KEY MARKET SEGMENTS

By Type

Nucleic Acid-based Multiplex Assays

Protein-based Multiplex Assays

Others

By Product

Multiplex Assay Reagents & Consumables

Multiplex Assay Instruments & Accessories

Multiplex Assay Software & Services

By Technology

Multiplex PCR

Multiplex Protein Microarray

Others

By Application



	Companion Diagnostics		
	Research & Development		
	Clinical Diagnostics		
End Us	ser		
	Hospitals		
	Clinical Laboratories		
	Research Institutes		
	Pharmaceuticals & Biotechnological Companies		
By Region			
	North America		
	U.S.		
	Canada		
	Mexico		
	Europe		
	UK		
	France		
	Germany		
	Italy		
	Spain		



Rest of Europe		
Asia-Pacific		
Japan		
China		
India		
South Korea		
Australia		
Rest of Asia-Pacif	ic	
LAMEA		
Saudi Arabia		
South Africa		
Brazil		
Rest of LAMEA		
KEY MARKET PLAYERS		
Luminex Corporat	ion	
The	ermo Fisher Scientific Inc.	
Illumina Inc.		
Bio-Rad Laborato	ries Inc.	
QIAGEN N.V.		



Becton, Dickinson and Company		
Abcam PLC		
Seegene Inc.		
Randox Laboratories Ltd.		
The other players in the value chain include (profiles not included in the report)		
Merck KGaA		
Agilent Technologies		
Quanterix		
Olink		
Sysmex Corporation		
Siemens Healthcare GmbH		
F. Hoffmann-La Roche Ltd		
Johnson & Johnson		



Contents

CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key benefits for stakeholders
- 1.3. Key market segments
- 1.4. Research methodology
 - 1.4.1. Secondary research
 - 1.4.2. Primary research
 - 1.4.3. Analyst Tools and Models

CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. Key findings of the study
- 2.2. CXO perspective

CHAPTER 3: MARKET OVERVIEW

- 3.1. Market definition and scope
- 3.2. Key findings
 - 3.2.1. Top investment pockets
- 3.3. Porter's five forces analysis
 - 3.3.1. Moderate bargaining power of buyers
 - 3.3.2. Low bargaining power of suppliers
 - 3.3.3. Moderate threat of substitutes
 - 3.3.4. Low threat of new entrants
 - 3.3.5. Moderate competitive rivalry
- 3.4. Market share analysis, 2018
- 3.5. Market dynamics
 - 3.5.1. Drivers
 - 3.5.1.1. Increase in R&D activities & governmental funding
 - 3.5.1.2. Surge in adoption of multiplex assays to reduce operation costs
 - 3.5.1.3. Rise in adoption of personalized medicines
 - 3.5.2. Restraint
 - 3.5.2.1. Lack of skilled labor/healthcare professionals
 - 3.5.3. Opportunity
 - 3.5.3.1. Various growth opportunities in emerging economies



CHAPTER 4: MULTIPLEX ASSAYS MARKET, BY TYPE

- 4.1. Overview
 - 4.1.1. Market size and forecast
- 4.2. Nucleic acid-based multiplex assays
 - 4.2.1. Key market trends and opportunities
 - 4.2.2. Market size and forecast
 - 4.2.3. Market share analysis, by country
- 4.3. Protein-based multiplex assays
 - 4.3.1. Key market trends and opportunities
 - 4.3.2. Market size and forecast
 - 4.3.3. Market share analysis, by country
- 4.4. Others
 - 4.4.1. Key market trends and opportunities
 - 4.4.2. Market size and forecast
 - 4.4.3. Market share analysis, by country

CHAPTER 5: MULTIPLEX ASSAYS MARKET, BY PRODUCT

- 5.1. Overview
 - 5.1.1. Market size and forecast
- 5.2. Multiplex assays reagents & consumables
 - 5.2.1. Key market trends, growth factors, and opportunities
 - 5.2.2. Market size and forecast
 - 5.2.3. Market share analysis, by country
- 5.3. Multiplex assays instruments & accessories
 - 5.3.1. Key market trends, growth factors, and opportunities
 - 5.3.2. Market size and forecast
 - 5.3.3. Market share analysis, by country
- 5.4. Multiplex assay software & services
 - 5.4.1. Key market trends, growth factors, and opportunities
 - 5.4.2. Market size and forecast
 - 5.4.3. Market share analysis, by country

CHAPTER 6: MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY

- 6.1. Overview
 - 6.1.1. Market size and forecast
- 6.2. Multiplex PCR



- 6.2.1. Key market trends, growth factors, and opportunities
- 6.2.2. Market size and forecast
- 6.2.3. Market share analysis, by country
- 6.3. Multiplex protein microarray
- 6.3.1. Key market trends, growth factors, and opportunities
- 6.3.2. Market size and forecast
- 6.3.3. Market share analysis, by country
- 6.3.4. Immunohistochemistry
 - 6.3.4.1. Market size and forecast
- 6.4. Other technologies
 - 6.4.1. Key market trends, growth factors, and opportunities
 - 6.4.2. Market size and forecast
 - 6.4.3. Market share analysis, by country

CHAPTER 7: MULTIPLEX ASSAYS MARKET, BY APPLICATION

- 7.1. Overview
 - 7.1.1. Market size and forecast
- 7.2. Companion diagnostics
 - 7.2.1. Key market trends, growth factors, and opportunities
 - 7.2.2. Market size and forecast
 - 7.2.3. Market share analysis, by country
- 7.3. Research & development
 - 7.3.1. Key market trends, growth factors, and opportunities
 - 7.3.2. Market size and forecast
 - 7.3.3. Market share analysis, by country
- 7.4. Clinical diagnostics
 - 7.4.1. Key market trends, growth factors, and opportunities
 - 7.4.2. Market size and forecast
 - 7.4.3. Market share analysis, by country

CHAPTER 8: MULTIPLEX ASSAYS MARKET, BY END USER

- 8.1. Overview
 - 8.1.1. Market size and forecast
- 8.2. Hospitals
 - 8.2.1. Key market trends, growth factors, and opportunities
 - 8.2.2. Market size and forecast
 - 8.2.3. Market share analysis, by country



8.3. Clinical laboratories

- 8.3.1. Key market trends, growth factors, and opportunities
- 8.3.2. Market size and forecast
- 8.3.3. Market share analysis, by country
- 8.4. Research institutes
 - 8.4.1. Key market trends, growth factors, and opportunities
 - 8.4.2. Market size and forecast
 - 8.4.3. Market share analysis, by country
- 8.5. Pharmaceuticals & biotechnology companies
 - 8.5.1. Key market trends, growth factors, and opportunities
 - 8.5.2. Market size and forecast
 - 8.5.3. Market share analysis, by country

CHAPTER 9: MULTIPLEX ASSAYS MARKET, BY REGION

- 9.1. Overview
 - 9.1.1. Market size and forecast
- 9.2. North America
 - 9.2.1. Key market trends and opportunities
 - 9.2.2. Market size and forecast, by country
 - 9.2.3. Market size and forecast, by type
 - 9.2.4. Market size and forecast, by product
 - 9.2.5. Market size and forecast, by technology
 - 9.2.6. Market size and forecast, by application
 - 9.2.7. Market size and forecast, by end user
 - 9.2.8. U.S.
 - 9.2.8.1. U.S. market size and forecast, by type
 - 9.2.8.2. U.S. market size and forecast, by product
 - 9.2.8.3. U.S. market size and forecast, by technology
 - 9.2.8.4. U.S. market size and forecast, by application
 - 9.2.8.5. U.S. market size and forecast, by end user
 - 9.2.9. Canada
 - 9.2.9.1. Canada market size and forecast, by type
 - 9.2.9.2. Canada market size and forecast, by product
 - 9.2.9.3. Canada market size and forecast, by technology
 - 9.2.9.4. Canada market size and forecast, by application
 - 9.2.9.5. Canada market size and forecast, by end user
 - 9.2.10. Mexico
 - 9.2.10.1. Mexico market size and forecast, by type



- 9.2.10.2. Mexico market size and forecast, by product
- 9.2.10.3. Mexico market size and forecast, by technology
- 9.2.10.4. Mexico market size and forecast, by application
- 9.2.10.5. Mexico market size and forecast, by end user

9.3. Europe

- 9.3.1. Key growth factors and opportunities
- 9.3.2. Market size and forecast, by country
- 9.3.3. Market size and forecast, by type
- 9.3.4. Market size and forecast, by product
- 9.3.5. Market size and forecast, by technology
- 9.3.6. Market size and forecast, by application
- 9.3.7. Market size and forecast, by end user
- 9.3.8. Germany
 - 9.3.8.1. Germany market size and forecast, by type
 - 9.3.8.2. Germany market size and forecast, by product
 - 9.3.8.3. Germany market size and forecast, by technology
 - 9.3.8.4. Germany market size and forecast, by application
 - 9.3.8.5. Germany market size and forecast, by end user

9.3.9. France

- 9.3.9.1. France market size and forecast, by type
- 9.3.9.2. France market size and forecast, by product
- 9.3.9.3. France market size and forecast, by technology
- 9.3.9.4. France market size and forecast, by application
- 9.3.9.5. France market size and forecast, by end user

9.3.10. UK

- 9.3.10.1. UK market size and forecast, by type
- 9.3.10.2. UK market size and forecast, by product
- 9.3.10.3. UK market size and forecast, by technology
- 9.3.10.4. UK market size and forecast, by application
- 9.3.10.5. UK market size and forecast, by end user

9.3.11. Italy

- 9.3.11.1. Italy market size and forecast, by type
- 9.3.11.2. Italy market size and forecast, by product
- 9.3.11.3. Italy market size and forecast, by technology
- 9.3.11.4. Italy market size and forecast, by application
- 9.3.11.5. Italy market size and forecast, by end user

9.3.12. Spain

- 9.3.12.1. Spain market size and forecast, by type
- 9.3.12.2. Spain market size and forecast, by product



- 9.3.12.3. Spain market size and forecast, by technology
- 9.3.12.4. Spain market size and forecast, by application
- 9.3.12.5. Spain market size and forecast, by end user

9.3.13. Rest of Europe

- 9.3.13.1. Rest of Europe market size and forecast, by type
- 9.3.13.2. Rest of Europe market size and forecast, by product
- 9.3.13.3. Rest of Europe market size and forecast, by technology
- 9.3.13.4. Rest of Europe market size and forecast, by application
- 9.3.13.5. Rest of Europe market size and forecast, by end user

9.4. Asia-Pacific

- 9.4.1. Key growth factors and opportunities.
- 9.4.2. Market size and forecast, by country
- 9.4.3. Market size and forecast, by type
- 9.4.4. Market size and forecast, by product
- 9.4.5. Market size and forecast, by technology
- 9.4.6. Market size and forecast, by application
- 9.4.7. Market size and forecast, by end user

9.4.8. Japan

- 9.4.8.1. Japan market size and forecast, by type
- 9.4.8.2. Japan market size and forecast, by product
- 9.4.8.3. Japan market size and forecast, by technology
- 9.4.8.4. Japan market size and forecast, by application
- 9.4.8.5. Japan market size and forecast, by end user

9.4.9. China

- 9.4.9.1. China market size and forecast, by type
- 9.4.9.2. China market size and forecast, by product
- 9.4.9.3. China market size and forecast, by technology
- 9.4.9.4. China market size and forecast, by application
- 9.4.9.5. China market size and forecast, by end user

9.4.10. India

- 9.4.10.1. India market size and forecast, by type
- 9.4.10.2. India market size and forecast, by product
- 9.4.10.3. India market size and forecast, by technology
- 9.4.10.4. India market size and forecast, by application
- 9.4.10.5. India market size and forecast, by end user

9.4.11. Rest of Asia-Pacific

- 9.4.11.1. Rest of Asia-Pacific market size and forecast, by type
- 9.4.11.2. Rest of Asia-Pacific market size and forecast, by product
- 9.4.11.3. Rest of Asia-Pacific market size and forecast, by technology



- 9.4.11.4. Rest of Asia-Pacific market size and forecast, by application
- 9.4.11.5. Rest of Asia-Pacific market size and forecast, by end user

9.5. LAMEA

- 9.5.1. Key growth factors and opportunities
- 9.5.2. Market size and forecast, by country
- 9.5.3. Market size and forecast, by type
- 9.5.4. Market size and forecast, by product
- 9.5.5. Market size and forecast, by technology
- 9.5.6. Market size and forecast, by application
- 9.5.7. Market size and forecast, by end user
- 9.5.8. Brazil
 - 9.5.8.1. Brazil market size and forecast, by type
 - 9.5.8.2. Brazil market size and forecast, by product
 - 9.5.8.3. Brazil market size and forecast, by technology
 - 9.5.8.4. Brazil market size and forecast, by application
 - 9.5.8.5. Brazil market size and forecast, by end user
- 9.5.9. Saudi Arabia
 - 9.5.9.1. Saudi Arabia market size and forecast, by type
 - 9.5.9.2. Saudi Arabia market size and forecast, by product
 - 9.5.9.3. Saudi Arabia market size and forecast, by technology
 - 9.5.9.4. Saudi Arabia market size and forecast, by application
 - 9.5.9.5. Saudi Arabia market size and forecast, by end user
- 9.5.10. South Africa
 - 9.5.10.1. South Africa market size and forecast, by type
 - 9.5.10.2. South Africa market size and forecast, by product
 - 9.5.10.3. South Africa market size and forecast, by technology
 - 9.5.10.4. South Africa market size and forecast, by application
 - 9.5.10.5. South Africa market size and forecast, by end user
- 9.5.11. Rest of LAMEA
 - 9.5.11.1. Rest of LAMEA market size and forecast, by type
 - 9.5.11.2. Rest of LAMEA market size and forecast, by product
 - 9.5.11.3. Rest of LAMEA market size and forecast, by technology
 - 9.5.11.4. Rest of LAMEA market size and forecast, by application
 - 9.5.11.5. Rest of LAMEA market size and forecast, by end user

CHAPTER 10: COMPANY PROFILES

- 10.1. ABCAM PLC.
 - 10.1.1. Company overview



- 10.1.2. Company snapshot
- 10.1.3. Operating business segments
- 10.1.4. Product portfolio
- 10.1.5. Business performance
- 10.2. BECTON, DICKINSON AND COMPANY
 - 10.2.1. Company overview
 - 10.2.2. Company snapshot
 - 10.2.3. Operating business segments
 - 10.2.4. Product portfolio
 - 10.2.5. Business performance
- 10.3. MESO SCALE DIAGNOSTICS, LLC.
 - 10.3.1. Company overview
 - 10.3.2. Company snapshot
 - 10.3.3. Operating business segments
 - 10.3.4. Product portfolio
 - 10.3.5. Key strategic moves and developments
- 10.4. RANDOX LABORATORIES LTD.
 - 10.4.1. Company overview
 - 10.4.2. Company snapshot
 - 10.4.3. Operating business segments
 - 10.4.4. Product portfolio
- 10.5. SEEGENE INC.
 - 10.5.1. Company overview
 - 10.5.2. Company snapshot
 - 10.5.3. Operating business segments
 - 10.5.4. Product Portfolio
 - 10.5.5. Business performance
 - 10.5.6. Key strategic moves and developments
- 10.6. BIO-RAD LABORATORIES, INC.
 - 10.6.1. Company overview
 - 10.6.2. Company snapshot
 - 10.6.3. Operating business segments
 - 10.6.4. Product Portfolio
 - 10.6.5. Business performance
- 10.7. ILLUMINA, INC.
 - 10.7.1. Company overview
 - 10.7.2. Company snapshot
 - 10.7.3. Operating business segments
 - 10.7.4. Product portfolio



- 10.7.5. Business performance
- 10.8. QIAGEN N.V.
 - 10.8.1. Company overview
 - 10.8.2. Company snapshot
 - 10.8.3. Operating business segments
 - 10.8.4. Business performance
- 10.8.5. Key strategic moves and developments
- 10.9. THERMO FISHER SCIENTIFIC, INC.
 - 10.9.1. Company overview
 - 10.9.2. Company snapshot
 - 10.9.3. Operating business segments
 - 10.9.4. Product portfolio
 - 10.9.5. Business performance
- 10.10. LUMINEX CORPORATION
 - 10.10.1. Company overview
 - 10.10.2. Company snapshot
 - 10.10.3. Operating business segments
 - 10.10.4. Product portfolio
 - 10.10.5. Business performance



List Of Tables

LIST OF TABLES

TABLE 01. GLOBAL MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)

TABLE 02. NUCLEIC ACID-BASED MULTIPLEX ASSAYS MARKET, BY REGION, 2018-2026 (\$MILLION)

TABLE 03. PROTEIN-BASED MULTIPLEX ASSAYS MARKET, BY REGION, 2018-2026 (\$MILLION)

TABLE 04. OTHER MULTIPLEX ASSAYS MARKET, BY REGION, 2018-2026 (\$MILLION)

TABLE 05. MULTIPLEX ASSAY REAGENTS & CONSUMABLES MARKET, BY REGION, 2018-2026 (\$MILLION)

TABLE 06. MULTIPLEX ASSAY REAGENTS & CONSUMABLES MARKET, BY REGION, 2018-2026 (\$MILLION)

TABLE 07. MULTIPLEX ASSAY INSTRUMENTS & ACCESSORIES MARKET, BY REGION, 2018-2026 (\$MILLION)

TABLE 08. MULTIPLEX ASSAY SOFTWARE AND SERVICES MARKET, BY REGION, 2018-2026 (\$MILLION)

TABLE 09. GLOBAL MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)

TABLE 10. MULTIPLEX PCR ASSAYS MARKET, BY REGION, 2018-2026 (\$MILLION)

TABLE 11. MULTIPLEX ASSAYS MARKET FOR PROTEIN MICROARRAY/ IMMUNOHISTOCHEMISTRY, BY REGION, 2018-2026 (\$MILLION)

TABLE 12. IMMUNOHISTOCHEMISTRY (IHC) MULTIPLEX ASSAYS MARKET, KEY PLAYERS

TABLE 13. MULTIPLEX ASSAYS MARKET FOR IMMUNOHISTOCHEMISTRY, BY REGION, 2018-2026 (\$MILLION)

TABLE 14. MULTIPLEX ASSAYS MARKET FOR OTHER TECHNOLOGIES, BY REGION, 2018-2026 (\$MILLION)

TABLE 15. MULTIPLEX ASSAY REAGENTS & CONSUMABLES MARKET, BY REGION, 2018-2026 (\$MILLION)

TABLE 16. MULTIPLEX ASSAYS MARKET FOR COMPANION DIAGNOSTICS, BY REGION, 2018-2026 (\$MILLION)

TABLE 17. MULTIPLEX ASSAYS MARKET FOR RESEARCH & DEVELOPMENT, BY REGION, 2018-2026 (\$MILLION)

TABLE 18. MULTIPLEX ASSAYS MARKET FOR CLINICAL DIAGNOSTICS, BY REGION, 2018-2026 (\$MILLION)



- TABLE 19. GLOBAL MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 20. MULTIPLEX ASSAYS MARKET FOR HOSPITALS, BY REGION, 2018-2026 (\$MILLION)
- TABLE 21. MULTIPLEX ASSAYS MARKET FOR CLINICAL LABORATORIES, BY REGION, 2018-2026 (\$MILLION)
- TABLE 22. MULTIPLEX ASSAYS MARKET FOR RESEARCH INSTITUTES, BY REGION, 2018-2026 (\$MILLION)
- TABLE 23. MULTIPLEX ASSAYS MARKET FOR PHARMACEUTICAL & BIOTECHNOLOGY COMPANIES, BY REGION, 2018-2026 (\$MILLION)
- TABLE 24. MULTIPLEX ASSAYS MARKET, BY REGION, 2018-2026 (\$MILLION)
- TABLE 25. NORTH AMERICA MULTIPLEX ASSAYS MARKET, BY COUNTRY, 2018-2026 (\$MILLION)
- TABLE 26. NORTH AMERICA MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)
- TABLE 27. NORTH AMERICA MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018–2026 (\$MILLION),
- TABLE 28. NORTH AMERICA MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)
- TABLE 29. NORTH AMERICA MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 30. NORTH AMERICA MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 31. U.S. MULTIPLEX ASSAYS MARKET BY TYPE, 2018-2026 (\$MILLION)
- TABLE 32. U.S. MULTIPLEX ASSAYS MARKET BY PRODUCT, 2018-2026 (\$MILLION)
- TABLE 33. U.S. MULTIPLEX ASSAYS MARKET BY TECHNOLOGY, 2018-2026 (\$MILLION)
- TABLE 34. U.S. MULTIPLEX ASSAYS MARKET BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 35. U.S. MULTIPLEX ASSAYS MARKET BY END USER, 2018-2026 (\$MILLION)
- TABLE 36. CANADA MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)
- TABLE 37. CANADA MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)
- TABLE 38. CANADA MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)
- TABLE 39. CANADA MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026



(\$MILLION)

TABLE 40. CANADA MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)

TABLE 41. MEXICO MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)

TABLE 42. MEXICO MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)

TABLE 43. MEXICO MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)

TABLE 44. MEXICO MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)

TABLE 45. MEXICO MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)

TABLE 46. EUROPE MULTIPLEX ASSAYS MARKET, BY COUNTRY, 2018-2026 (\$MILLION)

TABLE 47. EUROPE MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)

TABLE 48. EUROPE MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018–2026 (\$MILLION),

TABLE 49. EUROPE MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)

TABLE 50. EUROPE MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)

TABLE 51. EUROPE MULTIPLEX ASSAYS MARKET, BY END USER 2018-2026 (\$MILLION)

TABLE 52. GERMANY MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)

TABLE 53. GERMANY MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)

TABLE 54. GERMANY MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)

TABLE 55. GERMANY MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)

TABLE 56. GERMANY MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)

TABLE 57. FRANCE MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)

TABLE 58. FRANCE MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)



- TABLE 59. FRANCE MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)
- TABLE 60. FRANCE MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 61. FRANCE MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 62. U.K. MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION) TABLE 63. U.K. MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)
- TABLE 64. U.K. MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)
- TABLE 65. U.K. MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 66. U.K. MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 67. ITALY MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION) TABLE 68. ITALY MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)
- TABLE 69. ITALY MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)
- TABLE 70. ITALY MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 71. ITALY MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 72. SPAIN MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION) TABLE 73. SPAIN MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)
- TABLE 74. SPAIN MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)
- TABLE 75. SPAIN MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 76. SPAIN MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 77. REST OF EUROPE MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)
- TABLE 78. REST OF EUROPE MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)
- TABLE 79. REST OF EUROPE MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)



- TABLE 80. REST OF EUROPE MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 81. REST OF EUROPE MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 82. ASIA-PACIFIC MULTIPLEX ASSAYS MARKET, BY COUNTRY, 2018-2026 (\$MILLION)
- TABLE 83. ASIA-PACIFIC MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)
- TABLE 84. ASIA-PACIFIC MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018–2026 (\$MILLION),
- TABLE 85. ASIA-PACIFIC MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)
- TABLE 86. ASIA-PACIFIC MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 87. ASIA-PACIFIC MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 88. JAPAN MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION) TABLE 89. JAPAN MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)
- TABLE 90. JAPAN MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)
- TABLE 91. JAPAN MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 92. JAPAN MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 93. CHINA MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION) TABLE 94. CHINA MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)
- TABLE 95. CHINA MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)
- TABLE 96. CHINA MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 97. CHINA MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 98. INDIA MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION) TABLE 99. INDIA MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)
- TABLE 100. INDIA MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)



- TABLE 101. INDIA MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 102. INDIA MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 103. REST OF ASIA-PACIFIC MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)
- TABLE 104. REST OF ASIA-PACIFIC MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)
- TABLE 105. REST OF ASIA-PACIFIC MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)
- TABLE 106. REST OF ASIA-PACIFIC MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 107. REST OF ASIA-PACIFIC MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 108. LAMEA MULTIPLEX ASSAYS MARKET, BY COUNTRY, 2018-2026 (\$MILLION)
- TABLE 109. LAMEA MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)
- TABLE 110. LAMEA MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018–2026 (\$MILLION),
- TABLE 111. LAMEA MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)
- TABLE 112. LAMEA MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 113. LAMEA MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 114. BRAZIL MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)
- TABLE 115. BRAZIL MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)
- TABLE 116. BRAZIL MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)
- TABLE 117. BRAZIL MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)
- TABLE 118. BRAZIL MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 119. SAUDI ARABIA MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)
- TABLE 120. SAUDI ARABIA MULTIPLEX ASSAYS MARKET, BY PRODUCT,



2018-2026 (\$MILLION)

TABLE 121. SAUDI ARABIA MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)

TABLE 122. SAUDI ARABIA MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)

TABLE 123. SAUDI ARABIA MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)

TABLE 124. SOUTH AFRICA MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)

TABLE 125. SOUTH AFRICA MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)

TABLE 126. SOUTH AFRICA MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)

TABLE 127. SOUTH AFRICA MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)

TABLE 128. SOUTH AFRICA MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)

TABLE 129. REST OF LAMEA MULTIPLEX ASSAYS MARKET, BY TYPE, 2018-2026 (\$MILLION)

TABLE 130. REST OF LAMEA MULTIPLEX ASSAYS MARKET, BY PRODUCT, 2018-2026 (\$MILLION)

TABLE 131. REST OF LAMEA MULTIPLEX ASSAYS MARKET, BY TECHNOLOGY, 2018-2026 (\$MILLION)

TABLE 132. REST OF LAMEA MULTIPLEX ASSAYS MARKET, BY APPLICATION, 2018-2026 (\$MILLION)

TABLE 133. REST OF LAMEA MULTIPLEX ASSAYS MARKET, BY END USER, 2018-2026 (\$MILLION)

TABLE 134. ABCAM PLC.: COMPANY SNAPSHOT

TABLE 135. ABCAM PLC.: OPERATING SEGMENTS

TABLE 136. ABBVIE PLC.: PRODUCT PORTFOLIO

TABLE 137. BECTON, DICKINSON AND COMPANY: SNAPSHOT

TABLE 138. BECTON, DICKINSON AND COMPANY: OPERATING SEGMENTS

TABLE 139. BECTON, DICKINSON AND COMPANY: PRODUCT PORTFOLIO

TABLE 140. MESO SCALE TECHNOLOGIES: COMPANY SNAPSHOT

TABLE 141. MSD: OPERATING SEGMENTS

TABLE 142. MSD: PRODUCT PORTFOLIO

TABLE 143. RANDOX: COMPANY SNAPSHOT

TABLE 144. RANDOX OPERATING SEGMENTS

TABLE 145. RANDOX: PRODUCT PORTFOLIO



TABLE 146. SEEGENE: COMPANY SNAPSHOT

TABLE 147. SEEGENE: OPERATING SEGMENTS

TABLE 148. BIO-RAD: COMPANY SNAPSHOT

TABLE 149. BIO-RAD: OPERATING SEGMENTS

TABLE 150. BIO-RAD: PRODUCT PORTFOLIO

TABLE 151. ILLUMINA: COMPANY SNAPSHOT

TABLE 152. ILLUMINA: OPERATING SEGMENTS

TABLE 153. ILLUMINA: PRODUCT PORTFOLIO

TABLE 154, QIAGEN: COMPANY SNAPSHOT

TABLE 155. QIAGEN: NET SALES, 2016–2018 (\$MILLION)

TABLE 156. THERMO FISHER: COMPANY SNAPSHOT

TABLE 157. THERMO FISHER: OPERATING SEGMENTS

TABLE 158. THERMO FISHER: PRODUCT PORTFOLIO

TABLE 159. LUMINEX CORPORATION: COMPANY SNAPSHOT

TABLE 160. LUMINEX CORPORATION: OPERATING SEGMENTS

TABLE 161. LUMINEX CORPORATION: PRODUCT PORTFOLIO



List Of Figures

LIST OF FIGURES

FIGURE 01. GLOBAL MULTIPLEX ASSAYS, MARKET SEGMENTATION

FIGURE 02. TOP INVESTMENT POCKETS

FIGURE 03. MARKET SHARE ANALYSIS, 2018

FIGURE 04. DRIVERS, RESTRAINT, AND OPPORTUNITY, GLOBAL MULTIPLEX ASSAYS MARKET

FIGURE 05. COMPARATIVE SHARE ANALYSIS OF NUCLEIC ACID-BASED

MULTIPLEX ASSAYS MARKET, BY COUNTRY, 2018 & 2026 (%)

FIGURE 06. COMPARATIVE SHARE ANALYSIS OF PROTEIN-BASED MULTIPLEX ASSAYS MARKET, BY COUNTRY, 2018 & 2026 (%)

FIGURE 07. COMPARATIVE SHARE ANALYSIS OF OTHER MULTIPLEX ASSAYS MARKET, BY COUNTRY, 2018 & 2026 (%)

FIGURE 08. COMPARATIVE SHARE ANALYSIS OF REAGENTS & CONSUMABLES MULTIPLEX ASSAYS MARKET, BY COUNTRY, 2018 & 2026 (%)

FIGURE 09. COMPARATIVE SHARE ANALYSIS OF INSTRUMENTS &

ACCESSORIES MULTIPLEX ASSAYS MARKET, BY COUNTRY, 2018 & 2026 (%)

FIGURE 10. COMPARATIVE SHARE ANALYSIS OF SOFTWARE AND SERVICES

MULTIPLEX ASSAYS MARKET, BY COUNTRY, 2018 & 2026 (%)

FIGURE 11. COMPARATIVE SHARE ANALYSIS OF MULTIPLEX PCR ASSAYS MARKET, BY COUNTRY, 2018 & 2026 (%)

FIGURE 12. COMPARATIVE SHARE ANALYSIS OF MULTIPLEX PROTEIN MICROARRAY/ IMMUNOHISTOCHEMISTRY MARKET, BY COUNTRY, 2018 & 2026 (%)

FIGURE 13. COMPARATIVE SHARE ANALYSIS OF OTHER MULTIPLEX ASSAY TECHNOLOGIES MARKET, BY COUNTRY, 2018 & 2026 (%)

FIGURE 14. COMPARATIVE SHARE ANALYSIS OF COMPANION DIAGNOSTICS MULTIPLEX ASSAYS MARKET, BY COUNTRY, 2018 & 2026 (%)

FIGURE 15. COMPARATIVE SHARE ANALYSIS OF RESEARCH & DEVELOPMENT MULTIPLEX ASSAYS MARKET, BY COUNTRY, 2018 & 2026 (%)

FIGURE 16. COMPARATIVE SHARE ANALYSIS OF CLINICAL DIAGNOSTICS MULTIPLEX ASSAYS MARKET, BY COUNTRY, 2018 & 2026 (%)

FIGURE 17. COMPARATIVE SHARE ANALYSIS OF MULTIPLEX ASSAYS MARKET, FOR HOSPITALS, BY COUNTRY, 2018 & 2026 (%)

FIGURE 18. COMPARATIVE SHARE ANALYSIS OF MULTIPLEX ASSAYS MARKET, FOR CLINICAL LABORATORIES, BY COUNTRY, 2018 & 2026 (%)

FIGURE 19. COMPARATIVE SHARE ANALYSIS OF MULTIPLEX ASSAYS MARKET,



FOR RESEARCH INSTITUTES, BY COUNTRY, 2018 & 2026 (%)

FIGURE 20. COMPARATIVE SHARE ANALYSIS OF MULTIPLEX ASSAYS MARKET, FOR PHARMACEUTICAL & BIOTECHNOLOGY COMPANIES, BY COUNTRY, 2018 & 2026 (%)

FIGURE 21. ABCAM PLC.: NET SALES, 2016–2018 (\$MILLION)

FIGURE 22. ABCAM PLC.: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 23. BD: NET SALES, 2016–2018 (\$MILLION)

FIGURE 24. BECTON, DICKINSON AND COMPANY: REVENUE SHARE BY

SEGMENT, 2018 (%)

FIGURE 25. BECTON, DICKINSON AND COMPANY REVENUE SHARE BY REGION, 2018 (%)

FIGURE 26. SEEGENE: NET SALES, 2016–2018 (\$MILLION)

FIGURE 27. BIO-RAD: NET SALES, 2016–2018 (\$MILLION)

FIGURE 28. BIO-RAD: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 29. BIO-RAD: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 30. ILLUMINA: NET SALES, 2016-2018 (\$MILLION)

FIGURE 31. ILLUMINA: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 32. REVENUE SHARE BY REGION, 2018 (%)

FIGURE 33. QIAGEN: REVENUE SHARE BY PRODUCT, 2018 (%)

FIGURE 34. QIAGEN: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 35. TERUMO: NET SALES, 2016-2018 (\$MILLION)

FIGURE 36. THERMO FISCHER: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 37. THERMO FISCHER: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 38. LUMINEX CORPORATION: NET SALES, 2016–2018 (\$MILLION)

FIGURE 39. LUMINEX CORPORATION: REVENUE SHARE BY REGION, 2018 (%)



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