+44 20 8123 2220
info@marketpublishers.com

North America Microbial Identification Methods Market Forecast to 2030 - Regional Analysis - By Method (Genotypic, Phenotypic, and Proteotypic) and Type (Bacterial Identification System, Microbial Enumeration System, Bacterial Resistance Identification Systems, Microbiology Analyzer, and Others)

https://marketpublishers.com/r/N52610B16C40EN.html
Date: February 2024
Pages: 96
Price: US$ 3,550.00 (Single User License)
ID: N52610B16C40EN

Abstracts

The North America microbial identification methods market was valued at US$ 2,111.83 million in 2022 and is expected to reach US$ 3,319.78 million by 2030; it is estimated to grow at a CAGR of 5.8% from 2022 to 2030.
Increasing Food Safety Concerns Demanding for Microbial Identification Procedure Fuel the North America Microbial Identification Methods Market
Foodborne diseases (FBD) are a prevalent and expanding public health and economic problem. The prevalence of foodborne infections is influenced by recent changes in food production and processing methods and consumers' ever-evolving eating patterns. The interaction between known pathogens during infection is one of the concerns, and new difficulties have emerged in recent years. Despite the rising adoption of chemical preservatives, cold chains, and a greater understanding of microbes, foodborne illnesses are a significant public health issue for both industrialized and developing nations. The Food Security Cluster estimates that each year, ~420,000 people die, and over 600 million people-nearly one in ten people worldwide-get sick after consuming contaminated food, resulting in a loss of 33 million DALYs in June 2022.
As per the Centers for Disease Control and Prevention (CDC) 2019, every year, about 1 in 6 people in the US have a foodborne disease. Bacteria, such as Salmonella, E. Coli, Campylobacter, and Listeria, are the cause of many foodborne infections. Foodborne infections cause about 100,000 hospital admissions and 3,000 fatalities annually in the

+44 20 8123 2220
info@marketpublishers.com

country. Additionally, every year, 4 million Canadians, or 1 in 8 of the population, become ill from contaminated food. An estimated 11,500 hospital admissions and 240 fatalities are attributed to foodborne diseases annually. Both estimates for 30 foodborne pathogens and unidentified causes of acute gastrointestinal sickness are included in the numbers. The conventional approach is cultivating bacteria using a variety of nonselective and selective enrichment techniques, followed, among other things, by biochemical confirmation. The time-to-detection is a significant limitation when testing foods, especially those with short shelf lives like fresh meat, fish, dairy products, and vegetables. Several newer detection methods use spectroscopic approaches, such as matrix-assisted laser desorption ionization-time of flight and hyperspectral imaging protocols. Thus, the increase in cases of foodborne diseases is driving the microbial identification methods market.

North America Microbial Identification Methods Market Overview

The North America microbial identification method market has experienced substantial growth in the past few years due to an upsurge in demand for accurate and rapid microbial identification across various industries such as healthcare, pharmaceuticals, food & beverages, and environmental monitoring. The growth is attributed to several factors, including the rising incidence of infectious diseases, the need for stringent quality control measures in food and pharmaceutical production, and the growing awareness of the importance of microbial monitoring in maintaining public health. The E. coli outbreak connected to frozen falafel resulted in 20 instances of sickness and five hospitalizations, according to a November 2022 update from the CDC. Furthermore, advancements in technology, the introduction of innovative microbial identification methods, and the existence of significant players are anticipated to support the market expansion in the coming years. For instance, the BD Kiestra IdentifA system, intended to automate the preparation of microbiology bacterial identification testing, received 510(k) clearance by the FDA in January 2022. In addition, Bruker Corporation, a US-based organization, introduced the MBT Sepsityper Kit IVD in January 2021 to quickly identify more than 425 bacteria from positive blood cultures using the MALDI Biotyper CA System. Additionally, automation and artificial intelligence (AI) are pivotal in streamlining the identification process, reducing human error, and improving overall efficiency. The pharmaceutical and biotechnology sectors are major contributors to the growth of the microbial identification market in North America. The need for precise identification of microorganisms for drug development, quality control, and regulatory compliance has led to a high demand for advanced identification methods. Thus, increasing demand for accurate and rapid microbial identification across various end users, rising incidence of infectious diseases, the need for stringent quality control measures in food and pharmaceutical production, and the growing awareness of the importance of microbial monitoring in maintaining public health are a few other factors

+44 20 8123 2220
info@marketpublishers.com

driving the market in North America.

North America Microbial Identification Methods Market Revenue and Forecast to 2030 (US$ Million)

North America Microbial Identification Methods Market Segmentation

The North America microbial identification methods market is segmented based on method, type, and country.

Based on method, the North America microbial identification methods market is segmented into genotypic, phenotypic, and proteotypic. The phenotypic segment held the largest share in 2022. The genotypic segment is further subsegmented into instruments, kits, reagents. The phenotypic segment is further subsegmented into instruments, kits, reagents. The proteotypic segment is further subsegmented into instruments, kits, reagents.

By type, the North America microbial identification methods market is segmented into bacterial identification system, microbial enumeration system, bacterial resistance identification systems, microbiology analyzer, and others. The bacterial identification system segment held the largest share in 2022.

Based on country, the North America microbial identification methods market is bifurcated into the US and Canada. The US dominated the North America microbial identification methods market in 2022.

Accelerate Diagnostics Inc, Avantor Inc, Becton Dickinson and Co, bioM?rieux SA, Bruker Corp, Danaher Corp, Merck KGaA, Molzym GmbH & Co KG, Shimadzu Corp, Thermo Fisher Scientific Inc are some of the leading companies operating in the North America microbial identification methods market.

+44 20 8123 2220
info@marketpublishers.com

Contents

1. INTRODUCTION

1.1 The Insight Partners Research Report Guidance
1.2 Market Segmentation

2. EXECUTIVE SUMMARY

2.1 Key Insights

3. RESEARCH METHODOLOGY

3.1 Coverage
3.2 Secondary Research
3.3 Primary Research

4. NORTH AMERICA MICROBIAL IDENTIFICATION METHODS MARKET LANDSCAPE

4.1 Overview
4.2 North America PEST Analysis

5. NORTH AMERICA MICROBIAL IDENTIFICATION METHODS MARKET - KEY INDUSTRY DYNAMICS

5.1 Market Drivers
  5.1.1 Increasing Food Safety Concerns Demanding for Microbial Identification Procedure
  5.1.2 Rising Demand for Microbial Identification Methods Across Various End Users
5.2 Market Restraints
  5.2.1 High Cost of Automated Microbial Identification Systems
  5.2.2 Delay in Approval Process of New Microbial Diagnostic Test Due to Complex Regulatory Framework
5.3 Market Opportunities
  5.3.1 Government Initiatives and Funding to Promote Microbial Identification
5.4 Future Trends
  5.4.1 Advancements in Microbial Identification Techniques
5.5 Impact Analysis:

+44 20 8123 2220
info@marketpublishers.com

6. MICROBIAL IDENTIFICATION METHODS MARKET - NORTH AMERICA MARKET ANALYSIS

6.1 North America Microbial Identification Methods Market Revenue (US$ Mn), 2020 - 2030

7. NORTH AMERICA MICROBIAL IDENTIFICATION METHODS MARKET - REVENUE AND FORECAST TO 2030 - BY METHOD

7.1 Overview
7.2 North America Microbial Identification Methods Market Revenue Share, by Method 2022 & 2030 (%)
7.3 Genotypic
  7.3.1 Overview
  7.3.2 Genotypic: North America Microbial Identification Methods Market - Revenue and Forecast to 2030 (US$ Million)
    7.3.2.1 North America Microbial Identification Methods Market, by Genotypic Product, 2020-2030 (US$ Million)
    7.3.2.2 North America Microbial Identification Methods Market, by Genotypic Microbe Type, 2020-2030 (US$ Million)
7.4 Phenotypic
  7.4.1 Overview
  7.4.2 Phenotypic: North America Microbial Identification Methods Market - Revenue and Forecast to 2030 (US$ Million)
    7.4.2.1 North America Microbial Identification Methods Market, by Phenotypic Product, 2020-2030 (US$ Million)
    7.4.2.2 North America Microbial Identification Methods Market, by Phenotypic Microbe Type, 2020-2030 (US$ Million)
7.5 Proteotypic
  7.5.1 Overview
  7.5.2 Proteotypic: North America Microbial Identification Methods Market - Revenue and Forecast to 2030 (US$ Million)
    7.5.2.1 North America Microbial Identification Methods Market, by Proteotypic Product, 2020-2030 (US$ Million)
    7.5.2.2 North America Microbial Identification Methods Market, by Proteotypic Microbe Type, 2020-2030 (US$ Million)

8. NORTH AMERICA MICROBIAL IDENTIFICATION METHODS MARKET -

+44 20 8123 2220
info@marketpublishers.com

REVENUE AND FORECAST TO 2030 - BY TYPE

8.1 Overview
8.2 North America Microbial Identification Methods Market Revenue Share, by Type 2022 & 2030 (%)
8.3 Bacterial Identification Systems
8.3.1 Overview
8.3.2 Bacterial Identification Systems: North America Microbial Identification Methods Market - Revenue and Forecast to 2030 (US$ Million)
8.4 Microbial Enumeration Systems
8.4.1 Overview
8.4.2 Microbial Enumeration System: North America Microbial Identification Methods Market - Revenue and Forecast to 2030 (US$ Million)
8.5 Bacterial Resistance Identification Systems
8.5.1 Overview
8.5.2 Bacterial Resistance Identification Systems: North America Microbial Identification Methods Market - Revenue and Forecast to 2030 (US$ Million)
8.6 Microbiology Analyzers
8.6.1 Overview
8.6.2 Microbiology Analyzer: North America Microbial Identification Methods Market - Revenue and Forecast to 2030 (US$ Million)
8.7 Others
8.7.1 Overview
8.7.2 Others: North America Microbial Identification Methods Market - Revenue and Forecast to 2030 (US$ Million)

9. NORTH AMERICA MICROBIAL IDENTIFICATION METHODS MARKET - COUNTRY ANALYSIS

9.1 North America
9.1.1 North America Microbial Identification Methods Market, by Country
9.1.1.1 US
9.1.1.1.1 US: North America Microbial Identification Methods Market Revenue and Forecast to 2030 (US$ Mn)
9.1.1.1.2 US: North America Microbial Identification Methods Market, by Method
9.1.1.1.2.1 US: North America Microbial Identification Methods Market, by Genotypic Product, 2020-2030 (US$ Million)
9.1.1.1.2.2 US: North America Microbial Identification Methods Market, by Genotypic Microbe Type, 2020-2030 (US$ Million)

+44 20 8123 2220
info@marketpublishers.com

9.1.1.1.2.3 US: North America Microbial Identification Methods Market, by Phenotypic Product, 2020-2030 (US$ Million)
9.1.1.1.2.4 US: North America Microbial Identification Methods Market, by Phenotypic Microbe Type, 2020-2030 (US$ Million)
9.1.1.1.2.5 US: North America Microbial Identification Methods Market, by Proteotypic Product, 2020-2030 (US$ Million)
9.1.1.1.2.6 US: North America Microbial Identification Methods Market, by Proteotypic Microbe Type, 2020-2030 (US$ Million)
9.1.1.1.3 US: North America Microbial Identification Methods Market, by Type
9.1.1.2 Canada
9.1.1.2.1 Canada: North America Microbial Identification Methods Market Revenue and Forecast to 2030 (US$ Mn)
9.1.1.2.2 Canada: North America Microbial Identification Methods Market, by Method
9.1.1.2.2.1 Canada: North America Microbial Identification Methods Market, by Genotypic Product, 2020-2030 (US$ Million)
9.1.1.2.2.2 Canada: North America Microbial Identification Methods Market, by Genotypic Microbe Type, 2020-2030 (US$ Million)
9.1.1.2.2.3 Canada: North America Microbial Identification Methods Market, by Phenotypic Product, 2020-2030 (US$ Million)
9.1.1.2.2.4 Canada: North America Microbial Identification Methods Market, by Phenotypic Microbe Type, 2020-2030 (US$ Million)
9.1.1.2.2.5 Canada: North America Microbial Identification Methods Market, by Proteotypic Product, 2020-2030 (US$ Million)
9.1.1.2.2.6 Canada: North America Microbial Identification Methods Market, by Proteotypic Microbe Type, 2020-2030 (US$ Million)
9.1.1.2.3 Canada: North America Microbial Identification Methods Market, by Type

10. NORTH AMERICA MICROBIAL IDENTIFICATION METHODS MARKET INDUSTRY LANDSCAPE

10.1 Overview
10.2 Growth Strategies in the North America Microbial Identification Methods Market
10.3 Inorganic Growth Strategies
10.3.1 Overview
10.4 Organic Growth Strategies
10.4.1 Overview

11. COMPANY PROFILES

+44 20 8123 2220
info@marketpublishers.com

11.1 Avantor Inc
11.1.1 Key Facts
11.1.2 Business Description
11.1.3 Products and Services
11.1.4 Financial Overview
11.1.5 SWOT Analysis
11.1.6 Key Developments
11.2 Becton Dickinson and Co
11.2.1 Key Facts
11.2.2 Business Description
11.2.3 Products and Services
11.2.4 Financial Overview
11.2.5 SWOT Analysis
11.2.6 Key Developments
11.3 Danaher Corp
11.3.1 Key Facts
11.3.2 Business Description
11.3.3 Products and Services
11.3.4 Financial Overview
11.3.5 SWOT Analysis
11.3.6 Key Developments
11.4 bioM?rieux SA
11.4.1 Key Facts
11.4.2 Business Description
11.4.3 Products and Services
11.4.4 Financial Overview
11.4.5 SWOT Analysis
11.4.6 Key Developments
11.5 Merck KGaA
11.5.1 Key Facts
11.5.2 Business Description
11.5.3 Products and Services
11.5.4 Financial Overview
11.5.5 SWOT Analysis
11.5.6 Key Developments
11.6 Thermo Fisher Scientific Inc
11.6.1 Key Facts
11.6.2 Business Description

+44 20 8123 2220
info@marketpublishers.com

11.6.3 Products and Services
11.6.4 Financial Overview
11.6.5 SWOT Analysis
11.6.6 Key Developments
11.7 Bruker Corp
11.7.1 Key Facts
11.7.2 Business Description
11.7.3 Products and Services
11.7.4 Financial Overview
11.7.5 SWOT Analysis
11.7.6 Key Developments
11.8 Shimadzu Corp
11.8.1 Key Facts
11.8.2 Business Description
11.8.3 Products and Services
11.8.4 Financial Overview
11.8.5 SWOT Analysis
11.8.6 Key Developments
11.9 Accelerate Diagnostics Inc
11.9.1 Key Facts
11.9.2 Business Description
11.9.3 Products and Services
11.9.4 Financial Overview
11.9.5 SWOT Analysis
11.9.6 Key Developments
11.10 Molzym GmbH & Co KG
11.10.1 Key Facts
11.10.2 Business Description
11.10.3 Products and Services
11.10.4 Financial Overview
11.10.5 SWOT Analysis
11.10.6 Key Developments
11.11 Biolog Inc
11.11.1 Key Facts
11.11.2 Business Description
11.11.3 Products and Services
11.11.4 Financial Overview
11.11.5 SWOT Analysis
11.11.6 Key Developments

+44 20 8123 2220
info@marketpublishers.com

12. APPENDIX

12.1 About Us
12.2 Glossary of Terms

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: North America Microbial Identification Methods Market Forecast to 2030 - Regional Analysis - By Method (Genotypic, Phenotypic, and Proteotypic) and Type (Bacterial Identification System, Microbial Enumeration System, Bacterial Resistance Identification Systems, Microbiology Analyzer, and Others)

Product link: https://marketpublishers.com/r/N52610B16C40EN.html

Price: US$ 3,550.00 (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/N52610B16C40EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

+44 20 8123 2220
info@marketpublishers.com

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970