

## **India Food Pathogen Testing Market Report and Forecast 2023-2031**

Market Report | 2023-07-24 | 120 pages | EMR Inc.

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### **Report description:**

India Food Pathogen Testing Market Report and Forecast 2023-2031

India Food Pathogen Testing Market Outlook

The India food pathogen testing market size is anticipated to grow at a CAGR of 11.30% during the forecast period of 2023-2031, driven by the increasing awareness of the consumers about the food quality.

Food Pathogen Testing: Introduction

Food pathogen testing is a crucial component of food safety management systems. It involves the detection and identification of pathogenic microorganisms in food products to ensure that they are safe for consumption. Pathogenic microorganisms such as bacteria, viruses, and parasites can cause foodborne illnesses, posing a significant risk to public health.

The introduction of Food Pathogen Testing has greatly enhanced food safety measures and has become an integral part of quality control protocols in the food industry. By implementing rigorous testing procedures, food manufacturers can identify and mitigate potential sources of contamination, ensuring that their products meet regulatory standards and consumer expectations.

Key Trends in the India Food Pathogen Testing Market

Key trends in the food pathogen testing market:

- ☐ Increasing Focus on Rapid and Accurate Testing: There is a growing demand for rapid and accurate food pathogen testing methods that can deliver results quickly without compromising accuracy. This trend is driven by the need for timely detection and response to potential foodborne outbreaks, as well as the desire for efficient production processes.
- ☐ Adoption of Molecular Testing Technologies: Molecular testing methods, such as Polymerase Chain Reaction (PCR), have gained popularity in food pathogen testing due to their high sensitivity and specificity. These techniques enable the rapid and reliable detection of specific pathogens, allowing for more targeted and effective interventions.
- ☐ Emphasis on Automation and Efficiency: There is a shift towards automated and high-throughput testing systems in the food pathogen testing market. Automation streamlines the testing process, reduces human error, and improves overall efficiency, enabling faster and more cost-effective testing.
- ☐ Growing Regulatory Requirements: Regulatory bodies worldwide are placing increased emphasis on food safety and mandating stricter testing standards. This trend has driven the adoption of advanced testing methods and technologies to meet regulatory compliance and ensure consumer safety.

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-□Demand for Pathogen-Specific Testing: As foodborne pathogens continue to evolve and new ones emerge, there is a need for specific testing methods that can target and identify these pathogens. This trend has led to the development of specialized testing kits and techniques tailored to detect specific pathogens of concern.

## India Food Pathogen Testing Market Segmentations

### Market Breakup by Pathogen Type

- E. coli
- Salmonella
- Listeria
- Others

### Market Breakup by Food Type

- Dairy
- Meat and Poultry
- Fruits and Vegetables
- Cereals and Grains
- others

### Market Breakup by Technology

- Traditional Technology
- Rapid Technology

### Market Breakup by Region

- North
- West
- South
- East

## India Food Pathogen Testing Market Overview

The market for food pathogen testing is witnessing significant growth as food safety concerns continue to rise. Foodborne illnesses pose a considerable risk to public health, leading to increased scrutiny and regulatory measures to ensure the safety of food products. Food pathogen testing plays a crucial role in identifying and preventing the presence of harmful microorganisms in food.

Food manufacturers, regulatory bodies, and consumers are increasingly recognizing the importance of effective pathogen testing to mitigate the risk of foodborne diseases. This has fueled the demand for advanced testing methods and technologies that can deliver rapid and accurate results.

Food Pathogen Testing solutions include various techniques such as traditional culture-based methods, molecular-based methods like Polymerase Chain Reaction (PCR), immunoassays, and rapid methods using biosensors and other innovative technologies. These solutions enable the detection and identification of a wide range of pathogens, including bacteria, viruses, parasites, and toxins.

The market for food pathogen testing is driven by the implementation of stringent food safety regulations, the growing awareness of foodborne illnesses, and the increasing demand for safe and high-quality food products. Food manufacturers are proactively adopting pathogen testing practices to ensure compliance with regulations and maintain consumer trust.

### India Food Pathogen Testing Market: Competitor Landscape

The key features of the market report include patent analysis, grants analysis, clinical trials analysis, funding and investment

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analysis, partnerships, and collaborations analysis by the leading key players. The major companies in the market are as follows:

- SGS India Private Limited
- Eurofins Analytical Services India Private Limited
- TUV India Private Limited
- Intertek India Private Limited
- Bureau Veritas Consumer Products Services Private Limited
- ThermoFisher Scientific India Private Limited
- BioMerieux India Private Limited
- HiMedia Laboratories
- ALS India
- Qiagen India Private Limited

\*We at Expert Market Research always strive to provide you with the latest information. The numbers in the article are only indicative and may be different from the actual report.

## **Table of Contents:**

- 1□Preface
- 1.1□Objectives of the Study
- 1.2□Key Assumptions
- 1.3□Report Coverage - Key Segmentation and Scope
- 1.4□Research Methodology
- 2□Executive Summary
- 3□ India Food Pathogen Testing Market Overview
- 3.1□ India Food Pathogen Testing Market Historical Value (2016-2022)
- 3.2□ India Food Pathogen Testing Market Forecast Value (2023-2031)
- 4□India Food Pathogen Testing Market Dynamics
- 4.1□Market Drivers and Constraints
- 4.2□SWOT Analysis
- 4.3□Porter's Five Forces Model
- 4.4□Key Demand Indicators
- 4.5□Key Price Indicators
- 4.6□Industry Events, Initiatives, and Trends
- 4.7□Value Chain Analysis
- 5□ India Food Pathogen Testing Market Segmentation
- 5.1□ India Food Pathogen Testing Market by Pathogen Type
- 5.1.1□Market Overview
- 5.1.2□E. coli
- 5.1.3□Salmonella
- 5.1.4□Listeria
- 5.1.5□Others
- 5.2□India Food Pathogen Testing Market by Food Type
- 5.2.1□Market Overview
- 5.2.2□Dairy
- 5.2.3□Meat and Poultry
- 5.2.4□Fruits and Vegetables
- 5.2.5□Cereals and Grains
- 5.2.6□others

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### 5.3□India Food Pathogen Testing Market by Technology

#### 5.3.1□Market Overview

#### 5.3.2□Traditional Technology

#### 5.3.3□Rapid Technology

### 5.4□India Food Pathogen Testing Market by Region

#### 5.4.1□Market Overview

#### 5.4.2□North

#### 5.4.3□West

#### 5.4.4□South

#### 5.4.5□East

### 6□Patent Analysis

#### 6.1□Analysis by Type of Patent

#### 6.2□Analysis by Publication year

#### 6.3□Analysis by Issuing Authority

#### 6.4□Analysis by Patent Age

#### 6.5□Analysis by CPC Analysis

#### 6.6□Analysis by Patent Valuation

#### 6.7□Analysis by Key Players

### 7□Grants Analysis

#### 7.1□Analysis by year

#### 7.2□Analysis by Amount Awarded

#### 7.3□Analysis by Issuing Authority

#### 7.4□Analysis by Grant Application

#### 7.5□Analysis by Funding Institute

#### 7.6□Analysis by NIH Departments

#### 7.7□Analysis by Recipient Organization

### 8□Funding Analysis

#### 8.1□Analysis by Funding Instances

#### 8.2□Analysis by Type of Funding

#### 8.3□Analysis by Funding Amount

#### 8.4□Analysis by Leading Players

#### 8.5□Analysis by Leading Investors

#### 8.6□Analysis by Geography

### 9□Partnership and Collaborations Analysis

#### 9.1□Analysis by Partnership Instances

#### 9.2□Analysis by Type of Partnership

#### 9.3□Analysis by Leading Players

#### 9.4□Analysis by Geography

### 10□Regulatory Framework

#### 10.1□Regulatory Overview

##### 10.1.1□US FDA

##### 10.1.2□EU EMA

##### 10.1.3□INDIA CDSCO

##### 10.1.4□JAPAN PMDA

##### 10.1.5□Others

### 11□Suppliers Landscape

#### 11.1□SGS India Private Limited

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- 11.1.1 Financial Analysis
- 11.1.2 Product Portfolio
- 11.1.3 Demographic Reach and Achievements
- 11.1.4 Mergers and Acquisitions
- 11.1.5 Certifications
- 11.2 Eurofins Analytical Services India Private Limited
  - 11.2.1 Financial Analysis
  - 11.2.2 Product Portfolio
  - 11.2.3 Demographic Reach and Achievements
  - 11.2.4 Mergers and Acquisitions
  - 11.2.5 Certifications
- 11.3 TÜV India Private Limited
  - 11.3.1 Financial Analysis
  - 11.3.2 Product Portfolio
  - 11.3.3 Demographic Reach and Achievements
  - 11.3.4 Mergers and Acquisitions
  - 11.3.5 Certifications
- 11.4 Intertek India Private Limited
  - 11.4.1 Financial Analysis
  - 11.4.2 Product Portfolio
  - 11.4.3 Demographic Reach and Achievements
  - 11.4.4 Mergers and Acquisitions
  - 11.4.5 Certifications
- 11.5 Bureau Veritas Consumer Products Services Private Limited
  - 11.5.1 Financial Analysis
  - 11.5.2 Product Portfolio
  - 11.5.3 Demographic Reach and Achievements
  - 11.5.4 Mergers and Acquisitions
  - 11.5.5 Certifications
- 11.6 Thermofisher Scientific India Private Limited
  - 11.6.1 Financial Analysis
  - 11.6.2 Product Portfolio
  - 11.6.3 Demographic Reach and Achievements
  - 11.6.4 Mergers and Acquisitions
  - 11.6.5 Certifications
- 11.7 BioMerieux India Private Limited
  - 11.7.1 Financial Analysis
  - 11.7.2 Product Portfolio
  - 11.7.3 Demographic Reach and Achievements
  - 11.7.4 Mergers and Acquisitions
  - 11.7.5 Certifications
- 11.8 HiMedia Laboratories
  - 11.8.1 Financial Analysis
  - 11.8.2 Product Portfolio
  - 11.8.3 Demographic Reach and Achievements
  - 11.8.4 Mergers and Acquisitions
  - 11.8.5 Certifications

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- 11.9□ALS India
  - 11.9.1□Financial Analysis
  - 11.9.2□Product Portfolio
  - 11.9.3□Demographic Reach and Achievements
  - 11.9.4□Mergers and Acquisitions
  - 11.9.5□Certifications
- 11.10□Qiagen India Private Limited
  - 11.10.1□Financial Analysis
  - 11.10.2□Product Portfolio
  - 11.10.3□Demographic Reach and Achievements
  - 11.10.4□Mergers and Acquisitions
  - 11.10.5□Certifications
- 12□India Food Pathogen Testing Market - Distribution Model (Additional Insight)
  - 12.1□Overview
  - 12.2□Potential Distributors
  - 12.3□Key Parameters for Distribution Partner Assessment
- 13□Key Opinion Leaders (KOL) Insights (Additional Insight)
- 14□Company Competitiveness Analysis (Additional Insight)
  - 14.1□Very Small Companies
  - 14.2□Small Companies
  - 14.3□Mid-Sized Companies
  - 14.4□Large Companies
  - 14.5□Very Large Companies
- 15□Payment Methods (Additional Insight)
  - 15.1□Government Funded
  - 15.2□Private Insurance
  - 15.3□Out-of-Pocket

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