

Pyrogen Testing Market Analysis By Product (Instruments, Consumables, Services), By Test Type (LAL Test, In Vitro Pyrogen Test, Rabbit Test), By End Use (Pharma & Biotechnology Companies, Medical Devices Companies), And Segment Forecasts, 2014 - 2025

<https://marketpublishers.com/r/P7FB2011994EN.html>

Date: March 2017

Pages: 90

Price: US\$ 5,950.00 (Single User License)

ID: P7FB2011994EN

Abstracts

The global pyrogen testing market is expected to reach a value of USD 1.9 billion by 2025, according to a new report by Grand View Research, Inc. Increasing demand for therapeutic drugs including pharmaceuticals, biopharmaceuticals, and biologics is the major factor that propels growth of the market during forecast period. Pyrogen is a toxic molecular substance that causes fever if induced in animal or human body. Pyrogen testing is used by pharmaceutical, biopharmaceuticals, biotechnology, and medical devices companies to confirm the absence of pyrogen. Thus, the companies use various methods such as LAL, in vitro pyrogen, and rabbit test to ensure the quality of products.

Increasing prevalence of chronic diseases, is another foremost factor supporting the growth of the pyrogen testing market. The prevalence of chronic diseases is very high in developed countries and is growing at high pace in developing countries including China and India. Different factors such as unhealthy diet, smoking, alcohol consumption, and lack of exercise leads to occurrence of chronic diseases such as cancer, cardiovascular diseases, diabetes, and chronic respiratory diseases. Hence, there is a growing demand for therapeutic drugs and medical devices for the treatment of such diseases, which in turn is projected to fuel the demand for pyrogen testing to ensure the quality of products including drugs and devices.

Further key findings from the study suggest:

Consumables was the largest revenue grossing segment of the pyrogen testing market in 2016, owing to the large application of pyrogen testing kits and reagents along with its repetitive purchase

Instruments segment accounted for the remarkable share in the market in 2016 and is also expected to showcase significant growth during forecast period, owing to rising demand for pharmaceutical, biologics, and medical devices for treatment and diagnosis

The pharmaceutical and biotechnology companies segment dominated the pyrogen testing market in terms of revenue in 2016, due to the large production of therapeutic drugs and growing investment in R&D by companies for drug development

North America is the leading regional market and accounted for the largest revenue share in 2016 primarily due to the existence of large number of healthcare companies including pharmaceuticals and medical devices in this region

The Asia Pacific region is anticipated to be the fastest growing market during the study period. The growing prevalence rate of chronic diseases in the Asian countries including India and China, is a major factor contributing to the expansion of market in this region.

Some major players serving this vertical include Charles River Laboratories, Inc.; Ellab A/S; Merck KGaA; GenScript; Hyglos GmbH; Lonza; Thermo Fisher Scientific, Inc.; Associates of Cape Cod, Inc.; and Pyrostar

Contents

CHAPTER 1 RESEARCH METHODOLOGY

- 1.1 Country wise market: Base estimates
- 1.2 Global market: CAGR calculation
- 1.3 Region based segment share calculation
- 1.4 Research scope & assumptions
- 1.5 List of data sources
 - 1.5.1 Data for primary interviews, by sources
 - 1.5.1 Data for primary interviews, by region

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market snapshot

CHAPTER 3 PYROGEN TESTING MARKET VARIABLES, TRENDS & SCOPE

- 3.1 Market segmentation & scope
- 3.2 Market driver analysis
 - 3.2.1 Rising demand for therapeutic drugs
 - 3.2.2 Growing investment in R&D
 - 3.2.3 Increasing prevalence of chronic disease
- 3.3 Market restraint analysis
 - 3.3.1 Stringent government regulations
- 3.4 Key opportunities prioritized
 - 3.4.1 Key opportunities prioritized, by product
 - 3.4.2 Key opportunities prioritized, by test type
 - 3.4.3 Key opportunities prioritized, by end-use
- 3.5 Pyrogen testing- SWOT analysis, by factor (political & legal, economic and technological)
- 3.6 Industry analysis - Porter's
- 3.7 Competitive landscape: Market position analysis, 2016

CHAPTER 4 PYROGEN TESTING: PRODUCT ESTIMATES & TREND ANALYSIS

- 4.1 Pyrogen testing market: Product movement analysis
- 4.2 Consumables
 - 4.2.1 Consumables market, 2014 - 2025 (USD Million)

4.3 Instruments

4.3.1 Instruments market, 2014 - 2025 (USD Million)

4.4 Services

4.4.1 Services market, 2014 - 2025 (USD Million)

CHAPTER 5 PYROGEN TESTING: TEST TYPE ESTIMATES & TREND ANALYSIS

5.1 Pyrogen testing market: Test type movement analysis

5.2 LAL test

5.2.1 LAL test market, 2014 - 2025 (USD Million)

5.2.2 Chromogenic test

5.2.2.1 Chromogenic test market, 2014 - 2025 (USD Million)

5.2.3 Turbidimetric test

5.2.3.1 Turbidimetric test market, 2014 - 2025 (USD Million)

5.2.4 Gel clot test

5.2.4.1 Gel clot test market, 2014 - 2025 (USD Million)

5.3 In vitro pyrogen test

5.3.1 In vitro pyrogen test market, 2014 - 2025 (USD Million)

5.4 Rabbit test

5.4.1 Rabbit test market, 2014 - 2025 (USD Million)

CHAPTER 6 PYROGEN TESTING: END-USE ESTIMATES & TREND ANALYSIS

6.1 Pyrogen testing market: End-use movement analysis

6.2 Pharmaceutical and biotechnology companies

6.2.1 Pharmaceutical and biotechnology companies market, 2014 - 2025 (USD Million)

6.3 Medical devices companies

6.3.1 Medical devices companies market, 2014 - 2025 (USD Million)

6.4 Others

6.4.1 Other end-use market, 2014 - 2025 (USD Million)

CHAPTER 7 PYROGEN TESTING: REGIONAL ESTIMATES & TREND ANALYSIS, BY PRODUCT, TEST TYPE, END USE

7.1 Pyrogen testing market share by region, 2016 & 2025

7.2 North America

7.2.1 U.S.

7.2.2 Canada

7.3 Europe

- 7.3.1 Germany
- 7.3.2 UK
- 7.4 Asia Pacific
 - 7.4.1 Japan
 - 7.4.2 China
 - 7.4.3 India
- 7.5 Latin America
 - 7.5.1 Brazil
 - 7.5.2 Mexico
- 7.6 MEA
 - 7.6.1 South Africa

CHAPTER 8 COMPETITIVE LANDSCAPE

- 8.1 Company Profiles
 - 8.1.1 Charles River Laboratories, Inc.
 - 8.1.1.1 Company overview
 - 8.1.1.2 Financial performance
 - 8.1.1.3 Product benchmarking
 - 8.1.1.4 Strategic initiatives
 - 8.1.2 Ellab A/S
 - 8.1.2.1 Company overview
 - 8.1.2.2 Financial performance
 - 8.1.2.3 Product benchmarking
 - 8.1.2.4 Strategic initiatives
 - 8.1.3 Merck KGaA
 - 8.1.3.1 Company overview
 - 8.1.3.2 Financial performance
 - 8.1.3.3 Product benchmarking
 - 8.1.3.4 Strategic initiatives
 - 8.1.4 GenScript
 - 8.1.4.1 Company overview
 - 8.1.4.2 Financial performance
 - 8.1.4.3 Product benchmarking
 - 8.1.4.4 Strategic initiatives
 - 8.1.5 Hyglos GmbH
 - 8.1.5.1 Company overview
 - 8.1.5.2 Financial performance
 - 8.1.5.3 Product benchmarking

- 8.1.5.4 Strategic initiatives
- 8.1.6 Lonza
 - 8.1.6.1 Company overview
 - 8.1.6.2 Financial performance
 - 8.1.6.3 Product benchmarking
 - 8.1.6.4 Strategic initiatives
- 8.1.7 Thermo Fisher Scientific, Inc.
 - 8.1.7.1 Company overview
 - 8.1.7.2 Financial performance
 - 8.1.7.3 Product benchmarking
 - 8.1.7.4 Strategic initiatives
- 8.1.8 Associates of Cape Cod, Inc.
 - 8.1.8.1 Company overview
 - 8.1.8.2 Financial performance
 - 8.1.8.3 Product benchmarking
 - 8.1.8.4 Strategic initiatives
- 8.1.9 Pyrostar
 - 8.1.9.1 Company overview
 - 8.1.9.2 Financial performance
 - 8.1.9.3 Product benchmarking
 - 8.1.9.4 Strategic initiatives

List Of Tables

LIST OF TABLES

Table 1 Factors used in segment share estimation

Table 2 List of secondary data sources

Table 3 Primary interview details, by source

Table 4 Primary interview details, by region

Table 5 North America pyrogen testing market, by country, 2014 - 2025 (USD Million)

Table 6 North America pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 7 North America pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 8 North America pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 9 North America pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 10 U.S. pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 11 U.S. pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 12 U.S. pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 13 U.S. pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 14 Canada pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 15 Canada pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 16 Canada pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 17 Canada pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 18 Europe pyrogen testing market, by country, 2014 - 2025 (USD Million)

Table 19 Europe pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 20 Europe pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 21 Europe pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 22 Europe pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 23 Germany pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 24 Germany pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 25 Germany pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 26 Germany pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 27 UK pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 28 UK pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 29 UK pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 30 UK pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 31 Asia Pacific pyrogen testing market, by country, 2014 - 2025 (USD Million)

Table 32 Asia Pacific pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 33 Asia Pacific pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 34 Asia Pacific pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 35 Asia Pacific pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 36 Japan pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 37 Japan pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 38 Japan pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 39 Japan pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 40 China pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 41 China pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 42 China pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 43 China pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 44 India pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 45 India pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 46 India pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 47 India pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 48 Latin America pyrogen testing market, by country, 2014 - 2025 (USD Million)

Table 49 Latin America pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 50 Latin America pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 51 Latin America pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 52 Latin America pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 53 Brazil pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 54 Brazil pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 55 Brazil pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 56 Brazil pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 57 Mexico pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 58 Mexico pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 59 Mexico pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 60 Mexico pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 61 MEA pyrogen testing market, by country, 2014 - 2025 (USD Million)

Table 62 MEA pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 63 MEA pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 64 MEA pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 65 MEA pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

Table 66 South Africa pyrogen testing market, by product, 2014 - 2025 (USD Million)

Table 67 South Africa pyrogen testing market, by test type, 2014 - 2025 (USD Million)

Table 68 South Africa pyrogen testing market, by LAL test, 2014 - 2025 (USD Million)

Table 69 South Africa pyrogen testing market, by end-use, 2014 - 2025 (USD Million)

List Of Figures

LIST OF FIGURES

- Figure 1 Primary interviews, by sources
- Figure 2 Primary interviews, by region
- Figure 3 Market summary
- Figure 4 Market trends & outlook
- Figure 5 Market segmentation & scope
- Figure 6 Market driver relevance analysis (Current & future impact)
- Figure 7 Key opportunities prioritized, by product
- Figure 8 Key opportunities prioritized, by test type
- Figure 9 Key opportunities prioritized, by end-use
- Figure 10 SWOT analysis, by factor (political & legal, economic and technological)
- Figure 11 Porter's five forces analysis
- Figure 12 Market position analysis, 2016
- Figure 13 Pyrogen testing market product outlook: Key takeaways
- Figure 14 Pyrogen testing market: Product movement analysis
- Figure 15 Consumables market, 2014 - 2025 (USD Million)
- Figure 16 Instruments market, 2014 - 2025 (USD Million)
- Figure 17 Services market, 2014 - 2025 (USD Million)
- Figure 18 Pyrogen testing market test type outlook: Key takeaways
- Figure 19 Pyrogen testing market: Test type movement analysis
- Figure 20 LAL test market, 2014 - 2025 (USD Million)
- Figure 21 Chromogenic test market, 2014 - 2025 (USD Million)
- Figure 22 Turbidimetric test market, 2014 - 2025 (USD Million)
- Figure 23 Gel clot test market, 2014 - 2025 (USD Million)
- Figure 24 In vitro pyrogen test market, 2014 - 2025 (USD Million)
- Figure 25 Rabbit test market, 2014 - 2025 (USD Million)
- Figure 26 Pyrogen testing market end-use outlook: Key takeaways
- Figure 27 Pyrogen testing market: End-use movement analysis
- Figure 28 Pharmaceutical and biotechnology companies market, 2014 - 2025 (USD Million)
- Figure 29 Medical devices companies market, 2014 - 2025 (USD Million)
- Figure 30 Other end-use market, 2014 - 2025 (USD Million)
- Figure 31 Regional market place: Key takeaways
- Figure 32 Regional outlook, 2016 & 2025

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