

Malaria Diagnostics – A Global Market Overview

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Abstracts

Malaria Diagnostics Market Trends and Outlook

The Malaria Diagnostic market refers to the industry involved in developing and distributing tools and technologies used to detect malaria infections. Malaria is a parasitic disease transmitted through the bite of infected *Anopheles* mosquitoes. The *Plasmodium* parasite is released into the bloodstream when a person is bitten by an infected mosquito. Once in the human body, the parasite multiplies in the liver before entering the bloodstream and infecting red blood cells a few days later. Common symptoms of malaria include fever, vomiting, weakness, and headaches. In recent years, there has been significant growth in the global market for malaria diagnostics. Improved diagnostics are essential for effective treatment, surveillance, and control measures, contributing to efforts aimed at reducing malaria transmission worldwide.

The global Malaria Diagnostics market is estimated at US\$808.04 million in 2024 and is expected to record a CAGR of 5.3% during the 2024-2030 analysis period and stand at a projected US\$1.1 billion by 2030.

The global Malaria Diagnostics market is driven by several key growth trends which include the rising incidence of malaria in various regions, particularly in sub-Saharan Africa and parts of Asia and increased awareness of malaria's impact on public health has led to greater investment in diagnostic technologies and research. Additionally, the push for rapid and accurate detection methods, such as Rapid Diagnostic Tests (RDTs) and molecular diagnostics, has gained momentum due to their crucial role in effective disease management. Support from global health organizations and government initiatives aimed at eradicating malaria further fuels market growth, along with the integration of diagnostics into broader health systems to enhance surveillance and response efforts.

Malaria Diagnostics Regional Market Analysis

The Middle East & Africa region holds the dominant position in the Malaria Diagnostics market, accounting for 86.3% in 2024, due to the high burden of malaria cases and the significant prevalence of the disease in the region. Meanwhile, the Asia-Pacific region is projected to be the fastest-growing market, with a CAGR of 6.1% during the forecast period 2024-2030. This growth is driven by factors such as the high prevalence of malaria in countries like India, Myanmar, and Indonesia and investment by governments and international organizations in public health initiatives. Additionally, advancements in technology and increased awareness of malaria control have accelerated the adoption of diagnostic tools in the region.

Malaria Diagnostics Market Analysis by Technology

Rapid Diagnostic Tests is a leading Technology in the Malaria Diagnostics market, with an estimated share of 61.8% in 2024, owing to their ease of use, portability, cost-effectiveness, and ability to provide quick and accurate results. In regions with limited healthcare infrastructure, RDTs offer a practical alternative to more complex diagnostic which require skilled technicians and laboratory facilities and can be performed by minimally trained healthcare workers and are effective in detecting malaria within 15-30 minutes, allowing for timely diagnosis and treatment. Conversely, Molecular Diagnostics tests is expected to record the fastest CAGR of 5.6% during the 2024-2030 forecast period due to its superior accuracy and sensitivity compared to traditional diagnostic methods. Molecular techniques, such as polymerase chain reaction (PCR), can detect low levels of malaria parasites, enabling early and precise identification of infections, even in asymptomatic patients.

Malaria Diagnostics Market Analysis by End-Use Sector

The Clinics segment led the market with a 51.4% share in 2024, as clinics serve as the primary point of care for patients in both urban and rural areas, especially in malaria-endemic regions. Clinics often have the necessary infrastructure and healthcare professionals to perform diagnostic tests, such as rapid diagnostic tests (RDTs) and microscopy. Additionally, clinics are well-integrated into local healthcare systems, allowing for prompt treatment following diagnosis, which is crucial for effective malaria management. On the other hand, Diagnostic Centers segment is expected to register the fastest CAGR of 5.7% during the forecast period 2024-2030, driven by the increasing accessibility, better infrastructure for accurate testing, and rising demand for early diagnosis in both urban and rural areas.

Malaria Diagnostics Market Report Scope

This global report on Malaria Diagnostics analyzes the market based on type and end-use sector. In addition to providing profiles of major companies operating in this space, the latest corporate and industrial developments have been covered to offer a clear panorama of how and where the market is progressing.

Key Metrics

Historical Period: 2021-2023

Base Year: 2023

Forecast Period: 2024-2030

Units : Value market in US\$

Companies Mentioned: 10+

Malaria Diagnostics Market by Geographic Region

North America (The United States, Canada, and Mexico)

Europe (France, Germany, Spain, Italy, Belgium, Netherlands & Rest of Europe)

Asia-Pacific (Afghanistan, Bangladesh, India, Indonesia, Myanmar, Pakistan, Papua New Guinea, Thailand & Rest of Asia-Pacific)

South America (Brazil, Colombia, Peru, Venezuela & Rest of South America)

Middle East & Africa (Angola, Burkina Faso, Cameroon, Democratic Republic of Congo, Ethiopia, Ghana, Mali, Mozambique, Niger, Nigeria, Uganda, United Republic of Tanzania & Rest of Middle East & Africa)

Malaria Diagnostics Market by Technology

Microscopy

Rapid Diagnostic Tests

Molecular Diagnostic Tests

Malaria Diagnostics Market by End-Use Sector

Hospitals

Clinics

Diagnostics Centers

Contents

PART A: GLOBAL MARKET PERSPECTIVE

1. INTRODUCTION

Product Outline

Malaria Diagnostics Defined

Malaria Diagnostics Technology

Microscopy

Rapid Diagnostic Tests

Molecular Diagnostic Tests

Malaria Diagnostics End-Use Sectors

Hospitals

Clinics

Diagnostics Centers

2. Key Market Trends

3. Key Global Players

Abbott Laboratories

Access Bio., Inc.

Beckman Coulter, Inc.

bioMerieux

Bio-Rad Laboratories, Inc.

Leica Microsystems GmbH

Meridian Bioscience, Inc.

Nikon Corporation

Olympus Corporation

Premier Medical Corporation Pvt. Ltd.

Siemens Healthineers

Sysmex Partec GmbH

4. Key Business & Product Trends

5. Global Market Overview

Global Malaria Diagnostics Market Overview by Technology

Malaria Diagnostics Technology Market Overview by Global Region

Microscopy

Rapid Diagnostic Tests

Molecular Diagnostic Tests

Global Malaria Diagnostics Market Overview by End-Use Sector

Malaria Diagnostics End-Use Sector Market Overview by Global Region

Hospitals

Clinics

Diagnostics Centers

PART B: REGIONAL MARKET PERSPECTIVE

Global Malaria Diagnostics Market Overview by Geographic Region

REGIONAL MARKET OVERVIEW

6. North America

North American Malaria Diagnostics Market Overview by Geographic Region

North American Malaria Diagnostics Market Overview by Technology

North American Malaria Diagnostics Market Overview by End-Use Sector

Country-wise Analysis of North American Malaria Diagnostics Market

The United States

United States Malaria Diagnostics Market Overview by Technology

United States Malaria Diagnostics Market Overview by End-Use Sector

Canada

Canadian Malaria Diagnostics Market Overview by Technology

Canadian Malaria Diagnostics Market Overview by End-Use Sector

Mexico

Mexican Malaria Diagnostics Market Overview by Technology

Mexican Malaria Diagnostics Market Overview by End-Use Sector

7. Europe

European Malaria Diagnostics Market Overview by Geographic Region

European Malaria Diagnostics Market Overview by Technology

European Malaria Diagnostics Market Overview by End-Use Sector

Country-wise Analysis of European Malaria Diagnostics Market

Belgium

Belgium Malaria Diagnostics Market Overview by Technology

Belgium Malaria Diagnostics Market Overview by End-Use Sector

France

French Malaria Diagnostics Market Overview by Technology

French Malaria Diagnostics Market Overview by End-Use Sector

Germany

German Malaria Diagnostics Market Overview by Technology

German Malaria Diagnostics Market Overview by End-Use Sector

Italy

Italian Malaria Diagnostics Market Overview by Technology

Italian Malaria Diagnostics Market Overview by End-Use Sector

Netherlands

United Kingdom Malaria Diagnostics Market Overview by Technology
United Kingdom Malaria Diagnostics Market Overview by End-Use Sector
Spain
Spanish Malaria Diagnostics Market Overview by Technology
Spanish Malaria Diagnostics Market Overview by End-Use Sector
Rest of Europe
Rest of Europe Malaria Diagnostics Market Overview by Technology
Rest of Europe Malaria Diagnostics Market Overview by End-Use Sector
8. Asia-Pacific
Asia-Pacific Malaria Diagnostics Market Overview by Geographic Region
Asia-Pacific Malaria Diagnostics Market Overview by Technology
Asia-Pacific Malaria Diagnostics Market Overview by End-Use Sector
Country-wise Analysis of Asia-Pacific Malaria Diagnostics Market
Afghanistan
Chinese Malaria Diagnostics Market Overview by Technology
Chinese Malaria Diagnostics Market Overview by End-Use Sector
Bangladesh
Bangladesh Malaria Diagnostics Market Overview by Technology
Bangladesh Malaria Diagnostics Market Overview by End-Use Sector
India
Indian Malaria Diagnostics Market Overview by Technology
Indian Malaria Diagnostics Market Overview by End-Use Sector
Indonesia
Indonesia Malaria Diagnostics Market Overview by Technology
Indonesia Malaria Diagnostics Market Overview by End-Use Sector
Myanmar
Myanmar Malaria Diagnostics Market Overview by Technology
Myanmar Malaria Diagnostics Market Overview by End-Use Sector
Pakistan
Pakistan Malaria Diagnostics Market Overview by Technology
Pakistan Malaria Diagnostics Market Overview by End-Use Sector
Papua New Guinea
Papua New Guinea Malaria Diagnostics Market Overview by Technology
Papua New Guinea Malaria Diagnostics Market Overview by End-Use Sector
Thailand
Thailand Malaria Diagnostics Market Overview by Technology
Thailand Malaria Diagnostics Market Overview by End-Use Sector
Rest of Asia-Pacific
Rest of Asia-Pacific Malaria Diagnostics Market Overview by Technology

Rest of Asia-Pacific Malaria Diagnostics Market Overview by End-Use Sector

9. South America

South American Malaria Diagnostics Market Overview by Geographic Region

South American Malaria Diagnostics Market Overview by Technology

South American Malaria Diagnostics Market Overview by End-Use Sector

Country-wise Analysis of South American Malaria Diagnostics Market

Brazil

Brazilian Malaria Diagnostics Market Overview by Technology

Brazilian Malaria Diagnostics Market Overview by End-Use Sector

Colombia

Colombia Malaria Diagnostics Market Overview by Technology

Colombia Malaria Diagnostics Market Overview by End-Use Sector

Peru

Peru Malaria Diagnostics Market Overview by Technology

Peru Malaria Diagnostics Market Overview by End-Use Sector

Venezuela

Venezuela Malaria Diagnostics Market Overview by Technology

Venezuela Malaria Diagnostics Market Overview by End-Use Sector

Rest of South America

Rest of South American Malaria Diagnostics Market Overview by Technology

Rest of South American Malaria Diagnostics Market Overview by End-Use Sector

10. Middle East & Africa

Middle East & Africa Malaria Diagnostics Market Overview by Geographic Region

Middle East & Africa Malaria Diagnostics Market Overview by Technology

Middle East & Africa Malaria Diagnostics Market Overview by End-Use Sector

Angola

Angola Malaria Diagnostics Market Overview by Technology

Angola Malaria Diagnostics Market Overview by End-Use Sector

Burkina Faso

Burkina Faso Malaria Diagnostics Market Overview by Technology

Burkina Faso Malaria Diagnostics Market Overview by End-Use Sector

Cameroon

Cameroon Malaria Diagnostics Market Overview by Technology

Cameroon Malaria Diagnostics Market Overview by End-Use Sector

Democratic Republic of Congo

Democratic Republic of Congo Malaria Diagnostics Market Overview by Technology

Democratic Republic of Congo Malaria Diagnostics Market Overview by End-Use Sector

Ethiopia

Ethiopia Malaria Diagnostics Market Overview by Technology
Ethiopia Malaria Diagnostics Market Overview by End-Use Sector
Ghana
Ghana Faso Malaria Diagnostics Market Overview by Technology
Ghana Faso Malaria Diagnostics Market Overview by End-Use Sector
Mali
Mali Malaria Diagnostics Market Overview by Technology
Mali Malaria Diagnostics Market Overview by End-Use Sector
Mozambique
Mozambique Malaria Diagnostics Market Overview by Technology
Mozambique Malaria Diagnostics Market Overview by End-Use Sector
Niger
Niger Malaria Diagnostics Market Overview by Technology
Niger Malaria Diagnostics Market Overview by End-Use Sector
Nigeria
Nigeria Malaria Diagnostics Market Overview by Technology
Nigeria Malaria Diagnostics Market Overview by End-Use Sector
Uganda
Uganda Malaria Diagnostics Market Overview by Technology
Uganda Malaria Diagnostics Market Overview by End-Use Sector
United Republic of Tanzania
United Republic of Tanzania Malaria Diagnostics Market Overview by Technology
United Republic of Tanzania Malaria Diagnostics Market Overview by End-Use Sector
Rest of Middle East & Africa
Rest of Middle East & Africa Malaria Diagnostics Market Overview by Technology
Rest of Middle East & Africa Malaria Diagnostics Market Overview by End-Use Sector

PART C: GUIDE TO THE INDUSTRY

PART D: ANNEXURE

1. RESEARCH METHODOLOGY
2. FEEDBACK

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