

Metabolomics: Technologies and Global Markets

<https://marketpublishers.com/r/M062506EDA8EN.html>

Date: November 2021

Pages: 157

Price: US\$ 2,750.00 (Single User License)

ID: M062506EDA8EN

Abstracts

Report Scope:

This report examines the current and forecasted market potential for metabolomics. It offers a detailed analysis of the market background, technological advancement, competitive environment, drivers and restraints, and market growth trends. This report includes market projections through 2026, detailing the market share for metabolomics based on product, indication and application type.

By product, the metabolomics market is segmented into separation techniques, detection techniques, assays, and bioinformatics. By indication type, the metabolomics market is segmented into cancer, cardiovascular disorders, neurological disorders, inborn errors of metabolism, and others. The others segment covers respiratory diseases, infectious diseases, etc. By application, the metabolomics market is segmented into biomarker discovery, drug discovery, toxicology testing, nutrigenomics, functional genomics, and others.

By geography, the metabolomics market has been segmented into Europe, North America, Asia-Pacific (APAC), Latin America, and the Middle East & Africa (MEA). The detailed analyses of major countries such as the U.S., Germany, Canada, the U.K., Spain, Italy, France, Japan, India, and China are found in the regional segments. For market estimates, data is provided for 2020 as the base year, for 2021 and forecast through year-end 2026. Estimated values used are based on metabolomics companies' total revenues. Projected and forecast revenue values are in constant U.S. dollars that have not been adjusted for inflation.

Report Includes:

59 tables

An overview and industry analysis of the global markets for metabolomics technologies

Analyses of global market trends, with data from 2019 to 2020, estimates for 2021 and projections of compound annual growth rates (CAGRs) through 2026

Assessment of the key marketed products and recent product launches, regulatory landscape across different demographics covering North America, Europe, Asia-Pacific, Latin America and Middle East

Coverage of history and pathways of metabolomics, information on metabolomes and their sources like large bowel microflora, urine metabolome, food metabolome and comparison between lipidomes and lipidomics

Highlights of the market potential for metabolomics market by product, indication, application, and region; assessment of investment in metabolomic research and spending in pharmaceutical and biotech R&D

Information on targeted and untargeted approaches for metabolomic technology and complexity associated with data examination and processing

Identification of leading biotechnology companies poised to introduce products during the forecast period, and their impact on the face of the competitive environment

Detailed profiles of the leading companies in the metabolomics market, including Agilent Technologies, Bio-Rad, Danaher Corp., Merck KGaA, Promega Corp. and Thermo Fisher Scientific

Contents

CHAPTER 1 INTRODUCTION

Study Goals and Objectives
Reasons for Doing This Study
What's New in This Report
Scope of Report
Information Sources
Methodology
Geographic Breakdown
Analyst's Credentials
BCC Custom Research
Related BCC Research Reports

CHAPTER 2 SUMMARY AND HIGHLIGHTS

Highlights of the Market for Metabolomics

CHAPTER 3 OVERVIEW OF METABOLOMICS

Introduction
Metabolites
Metabolomics
Metabolomic History
Metabolic Pathways
Metabolomes
Large Bowel Microflora
Urine Metabolome
Food Metabolome
Lipidomes and Lipidomics
Fluxomics
Metabolomic Process Steps
Sample Preparation
Extraction
Derivatization
Separation and Detection
Data Analysis
Metabolomic Technology

Targeted and Untargeted Approaches
Applications

CHAPTER 4 METABOLOMICS: PIPELINE ANALYSIS

Overview

CHAPTER 5 METABOLOMICS: MARKET DYNAMICS

Metabolomics Market Drivers

Increasing Investment in Metabolomic Research

Increase in Demand for Personalized Medicine

Increasing Pharmaceutical and Biotech R&D Spending

Technological Advancements

Increasing Use of Metabolomics in Toxicology Testing

Market Restraints

Complexity Associated with Data Examination and Processing

High Cost of Tools and Instruments

Dearth of Skilled Researchers

Industry Insights

Market Trends

CHAPTER 6 IMPACT OF COVID-19 PANDEMIC

Introduction

Outbreak

Impact of COVID-19 on Metabolomics

CHAPTER 7 GLOBAL METABOLOMICS MARKET BREAKDOWN BY PRODUCT

Introduction

Separation Techniques

Chromatography

Detection Techniques

Mass Spectrometry

Spectroscopy

Assays

Bioinformatics and Systems Biology Tools

CHAPTER 8 GLOBAL METABOLOMICS MARKET BREAKDOWN BY INDICATION

Introduction
Market Breakdown
Cancer
Cardiovascular Disorders
Neurological Disorders
Inborn Errors of Metabolism

CHAPTER 9 GLOBAL METABOLOMICS MARKET BREAKDOWN BY APPLICATION

Introduction
Biomarker Discovery
Drug Discovery
Toxicology Testing
Nutrigenomics
Functional Genomics

CHAPTER 10 GLOBAL METABOLOMICS MARKET BREAKDOWN BY REGION

Introduction
North America
United States
Canada
Mexico
Europe
Germany
United Kingdom
France
Italy
Spain
Rest of Europe
Asia-Pacific
Japan
China
India
Rest of Asia-Pacific
Latin America
Middle East and Africa (MEA)

CHAPTER 11 COMPETITIVE LANDSCAPE

Global Company Share Analysis

Mergers and Acquisitions

Agreements, Collaborations, Product Launches, and Partnerships

CHAPTER 12 COMPANY PROFILES

AGILENT TECHNOLOGIES INC.

BIOCRATES LIFE SCIENCES AG

BIO-RAD LABORATORIES INC.

BIOVISION INC.

BRUKER CORP.

CHENOMX

DANAHER CORP.

DRUMETIX LABORATORIES LLC

GERSTEL GMBH & CO. KG

HUMAN METABOLOME TECHNOLOGIES AMERICA INC.

LECO CORP.

MERCK KGAA

METABOLOMIC DIAGNOSTICS

METABOLOMIC TECHNOLOGIES INC.

METABOLON INC.

ONE WAY LIVER GENOMICS S.L.

PERKINELMER INC.

PROMEGA CORP.

QIAGEN N.V.

SHIMADZU CORP.

STEMINA BIOMARKER DISCOVERY INC.

THERMO FISHER SCIENTIFIC INC.

List Of Tables

LIST OF TABLES

Summary Table: Global Market for Metabolomics, by Product Type, Through 2026

Table 1: Publications Referencing Metabolomics, 2008-2018

Table 2: Major Approaches in Metabolomics and their Advantages and Disadvantages

Table 3: Some Pipeline Clinical Trial Studies for Metabolomics

Table 4: Recent Funding Programs in Metabolomics

Table 5: Common Hyphenated Platforms in Metabolomic Research

Table 6: Global Market for Metabolomics, by Product Type, Through 2026

Table 7: Global Market for Separation Techniques Applied in Metabolomics, by Product Type, Through 2026

Table 8: Global Market for Liquid Chromatography Applied in Metabolomics, by Product Type, Through 2026

Table 9: Global Market for Detection Techniques Applied in Metabolomics, by Product Type, Through 2026

Table 10: Mass Spectroscopy Suppliers for the Life Sciences

Table 11: Global Market for Spectroscopy Applied in Metabolomics, by Product Type, Through 2026

Table 12: High-Content Screening Suppliers and Key Attributes

Table 13: Assays Commonly Used with Metabolomic Assays

Table 14: Metabolomic Public Resources

Table 15: Global Market for Metabolomics, by Indication, Through 2026

Table 16: Representation of Pathways, Functions of Metabolites and Possible Biomarkers in Animal Model and Human-Based Studies of Various Neuropsychiatric Disorders

Table 17: Global Market for Metabolomics, by Application, Through 2026

Table 18: Global Market for Metabolomics, by Region, Through 2026

Table 19: North American Market for Metabolomics, by Product Type, Through 2026

Table 20: North American Market for Separation Techniques Applied in Metabolomics, by Product Type, Through 2026

Table 21: North American Market for Liquid Chromatography Applied in Metabolomics, by Product Type, Through 2026

Table 22: North American Market for Detection Techniques Applied in Metabolomics, by Product Type, Through 2026

Table 23: North American Market for Spectroscopy Applied in Metabolomics, by Product Type, Through 2026

Table 24: North American Market for Metabolomic Assays, by Product Type, Through

2026

Table 25: North American Market for Metabolomics, by Indication, Through 2026

Table 26: North American Market for Metabolomics, by Application, Through 2026

Table 27: European Market for Metabolomics, by Product Type, Through 2026

Table 28: European Market for Separation Techniques Applied in Metabolomics, by Product Type, Through 2026

Table 29: European Market for Liquid Chromatography Applied in Metabolomics, by Product Type, Through 2026

Table 30: European Market for Detection Techniques Applied in Metabolomics, by Product Type, Through 2026

Table 31: European Market for Spectroscopy Applied in Metabolomics, by Product Type, Through 2026

Table 32: European Market for Metabolomic Assays, by Product Type, Through 2026

Table 33: European Market for Metabolomics, by Indication, Through 2026

Table 34: European Market for Metabolomics, by Application, Through 2026

Table 35: Asia-Pacific Market for Metabolomics, by Product Type, Through 2026

Table 36: Asia-Pacific Market for Separation Techniques Applied in Metabolomics, by Product Type, Through 2026

Table 37: Asia-Pacific Market for Liquid Chromatography Applied in Metabolomics, by Product Type, Through 2026

Table 38: Asia-Pacific Market for Detection Techniques Applied in Metabolomics, by Product Type, Through 2026

Table 39: Asia-Pacific Market for Spectroscopy Applied in Metabolomics, by Product Type, Through 2026

Table 40: Asia-Pacific Market for Metabolomic Assays, by Product Type, Through 2026

Table 41: Asia-Pacific Market for Metabolomics, by Indication, Through 2026

Table 42: Asia-Pacific Market for Metabolomics, by Application, Through 2026

Table 43: Latin American Market for Metabolomics, by Product Type, Through 2026

Table 44: Latin American Market for Separation Techniques Applied in Metabolomics, by Product Type, Through 2026

Table 45: Latin American Market for Liquid Chromatography Applied in Metabolomics, by Product Type, Through 2026

Table 46: Latin American Market for Detection Techniques Applied in Metabolomics, by Product Type, Through 2026

Table 47: Latin American Market for Spectroscopy Applied in Metabolomics, by Product Type, Through 2026

Table 48: Latin American Market for Metabolomic Assays, by Product Type, Through 2026

Table 49: Latin American Market for Metabolomics, by Indication, Through 2026

Table 50: Latin American Market for Metabolomics, by Application, Through 2026

Table 51: Middle Eastern and African Market for Metabolomics, by Product Type, Through 2026

Table 52: Middle Eastern and African Market for Separation Techniques Applied in Metabolomics, by Product Type, Through 2026

Table 53: Middle Eastern and African Market for Liquid Chromatography Applied in Metabolomics, by Product Type, Through 2026

Table 54: Middle Eastern and African Market for Detection Techniques Applied in Metabolomics, by Product Type, Through 2026

Table 55: Middle Eastern and African Market for Spectroscopy Applied in Metabolomics, by Product Type, Through 2026

Table 56: Middle Eastern and African Market for Metabolomic Assays, by Product Type, Through 2026

Table 57: Middle Eastern and African Market for Metabolomics, by Indication, Through 2026

Table 58: Middle Eastern and African Market for Metabolomics, by Application, Through 2026

List Of Figures

LIST OF FIGURES

Summary Figure: Global Market for Metabolomics, by Product Type, 2020-2026

Figure 1: Publications Referencing Metabolomics, 2008-2018

Figure 2: Cellular Respiration Stages

Figure 3: Factors Impacting Enzyme Activity

Figure 4: Typical Analytical Metabolomic Process Steps

Figure 5: Schematic Representation of a Metabolomic Workflow

Figure 6: Bioinformatic Processes for Metabolomics

Figure 7: Global Market for Metabolomics, by Region, 2020

Figure 8: Global Metabolomics Market Share Analysis, by Company, 2020

Figure 9: Agilent: Annual Revenue, 2018-2020

Figure 10: Agilent: Revenue Share, by Geography, 2020

Figure 11: Agilent: Revenue Share, by Segment, 2020

Figure 12: Bio-Rad: Annual Revenue, 2018-2020

Figure 13: Bio-Rad: Revenue Share, by Segment, 2020

Figure 14: Bruker: Annual Revenue, 2018-2020

Figure 15: Bruker: Revenue Share, by Region, 2020

Figure 16: Danaher Corp.: Annual Revenue, 2018-2020

Figure 17: Danaher Corp.: Revenue Share, by Geography, 2020

Figure 18: Danaher Corp.: Revenue Share, by Segment, 2020

Figure 19: Merck KGaA: Annual Revenue, 2019 and 2020

Figure 20: Merck KGaA: Revenue Share, by Region, 2020

Figure 21: Merck KGaA: Revenue Share, by Segment, 2020

Figure 22: Thermo Fisher Scientific: Annual Revenue, 2019 and 2020

Figure 23: Thermo Fisher Scientific: Revenue Share, by Segment, 2020

I would like to order

Product name: Metabolomics: Technologies and Global Markets

Product link: <https://marketpublishers.com/r/M062506EDA8EN.html>

Price: US\$ 2,750.00 (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/M062506EDA8EN.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**

Customer signature _____

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

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