

# Cardiac Biomarkers: Technologies and Global Markets

<https://marketpublishers.com/r/CEA1796DD31EN.html>

Date: February 2023

Pages: 287

Price: US\$ 5,500.00 (Single User License)

ID: CEA1796DD31EN

## Abstracts

Report Scope:

The scope of this report is -

Identify viable technology drivers through a comprehensive look at various platform technologies for cardiac marker segments of the diagnostic testing market.

Obtain a complete understanding of the leading cardiac markers and their value in terms of diagnostic testing, screening, prognostic monitoring, pharmacogenomic testing and theragnostic, while also gaining an appreciation these elements from their basic principles to their applications.

Discover feasible market opportunities via the identification of high-growth applications in different cardiac marker diagnostic testing areas, with a focus on the biggest and fastest-expanding markets for diseases.

Focus on global industry development through an in-depth analysis of the major world markets for cardiac marker diagnostic testing, including forecasts for growth.

Present market figures for the current value of the cardiac biomarkers market, projections and growth rates. These are developed from the most recently available information from the global diagnostics industry.

By purchasing this study, the reader will gain -

An improved understanding of the current state and future of the most exciting cardiac biomarker market segments.

The latest information on the leading companies engaged in research and development (R&D) and products in the cardiac marker diagnostic reagent pipeline.

Knowledge of the cardiac diagnostic testing market as an area of growth, research and investment.

This analysis covers the following categories of the cardiac biomarker segments -

Acute Myocardial Infarction (AMI).

Heart failure.

Brain natriuretic peptide (BNP).

Myoglobin.

Homocysteine (Hcy).

C-reactive protein (CRP).

Pulmonary embolism (PE) D-dimer test.

Low-density lipoproteins (LDL) and high-density lipoproteins (HDL).

Stroke.

Creatine kinase-myocardial band (CK-MB) and cardiac enzymes.

Albumin.

Cardiac markers are used in clinical decisions.

Cardiac markers in renal failure.

Troponins in non-ischemic heart disease.

Cardiac panels.

POC cardiac markers.

Analyses include charts and graphs measuring product growth and trends within the marketplace. In addition, a discussion of research on various illnesses provides the reader with a deeper understanding of the possibilities for future treatment and avenues for possible R&D budgets. Company-specific information, including sales figures, product pipeline status and R&D trends, is provided throughout the report. In addition, the study -

Assesses cardiac marker diagnostic testing market drivers and bottlenecks from the perspective of the medical and scientific communities.

Discusses the potential benefits of the cardiac marker diagnostic testing market for various sectors of the medical and scientific community.

Establishes the current total market size and future growth of the cardiac marker diagnostic testing market and analyzes the current size and growth of individual segments.

Provides current and forecasted market shares by company.

Discusses profit and business opportunities by diagnostic testing segment.

Provides strategic recommendations for near-term business opportunities.

Assesses current commercial uses of the cardiac biomarker market.

Report Includes:

66 data tables and 36 additional tables

An up-to-date overview and analysis of the global markets for cardiac biomarkers technologies

Analyses of the global market trends, with historic revenue data for 2019-2021, estimates for 2022, and projections of compound annual growth rates (CAGRs) through 2027

Estimation of the actual market size and revenue forecast for cardiac biomarkers market in USD million terms, and corresponding market share analysis based on the type of biomarker, instrument category, and region

Identification of the viable technology drivers and barriers through a holistic review of various platform technologies in cardiac biomarker measurement and their notable advancements

Complete understanding of the leading cardiac markers and their value in terms of diagnostic testing, screening, prognostic monitoring, pharmacogenomic testing, and theranostics, while also appreciating these elements from their basic principles to their applications

Discussion of feasible market opportunities via identification of high-growth applications in different cardiac marker diagnostic testing areas, with a focus on the biggest and fastest-expanding markets for diseases

Emphasis on global industry development through an in-depth analysis of the major world markets for cardiac marker diagnostic testing, including forecasts for growth

Latest information on the leading companies engaged in research and development (R&D) and products in the cardiac marker diagnostic reagent pipeline with SWOT analyses

Review of the patents and patent applications on cardiac biomarkers and deep dive of recent global and region-specific patent publications related to cardiac biomarkers

Insight into the company competitive landscape and company value share analysis for the leading suppliers of cardiac biomarkers

Profile descriptions of the major global players, including Abbott Laboratories, Beckman Coulter (subsidiary of Danaher Corp.), bioMérieux S.A., PerkinElmer Inc., Roche Diagnostics, Siemens Healthineers, and Thermo Fisher Scientific Inc.

## Contents

### CHAPTER 1 INTRODUCTION

- 1.1 Overview
- 1.2 Study Goals and Objectives
- 1.3 Reasons for Doing This Study
- 1.4 Scope of the Report
- 1.5 What's New in This Update?
- 1.6 Methodology and Information Sources
  - 1.6.1 Primary Data and Information Gathering
  - 1.6.2 Secondary Data and Information Gathering
  - 1.6.3 Market Share Analysis and Market Forecast Prediction
- 1.7 Geographic Breakdown
- 1.8 Analyst's Credentials
- 1.9 BCC Custom Research
- 1.10 Related BCC Research Reports

### CHAPTER 2 SUMMARY AND HIGHLIGHTS

### CHAPTER 3 CARDIOVASCULAR DISEASE AND ITS ASSOCIATED BURDEN

- 3.1 Overview of Cardiovascular Disease
  - 3.1.1 Coronary Artery Disease
- 3.2 Atherosclerosis
- 3.3 Angina (Angina Pectoris)
- 3.4 Acute Myocardial Infarction (AMI)
- 3.5 Disease Management
- 3.6 Medical Management
- 3.7 Lifestyle Changes
- 3.8 Diet Modification
- 3.9 Smoking Cessation
- 3.10 Pharmaceuticals
- 3.11 Anticoagulants and Antiplatelet Drugs
- 3.12 Lipid-Lowering Drugs
- 3.13 Anti-hypertensive Drugs
- 3.14 Nitroglycerin Preparations
- 3.15 Surgical Intervention
  - 3.15.1 Coronary Artery Bypass Graft Surgery

- 3.15.2 Transmyocardial Revascularization
- 3.15.3 Percutaneous Coronary Interventions
- 3.16 Global Burden of Cardiovascular Disease
  - 3.16.1 CVD and Its Associated Burden, 2030
  - 3.16.2 Economic Burden of CVD

## **CHAPTER 4 INTRODUCTION TO CARDIAC BIOMARKERS**

- 4.1 Types of Biomarkers
  - 4.1.1 Antecedent Biomarker Tests
  - 4.1.2 Screening Biomarker Tests
  - 4.1.3 Diagnostic Biomarker Tests
  - 4.1.4 Staging Biomarkers
  - 4.1.5 Prognostic Biomarker Tests
- 4.2 Role of Biomarkers in the Prevention, Assessment and Management of Heart Failure
  - 4.2.1 Myocardial Stress/Injury
  - 4.2.2 Neurohormonal Activation
  - 4.2.3 Remodeling
  - 4.2.4 Comorbidities
  - 4.2.5 Other Biomarkers of Cardiac Activity
  - 4.2.6 Role of Biomarkers in Heart Failure Clinical Trials
- 4.3 Biomarker Discovery and Validation
  - 4.3.1 Biomarker Candidate Screening
  - 4.3.2 Biomarker Candidate Validation
- 4.4 Omic Technologies for Biomarker Discovery
  - 4.4.1 Genomics
  - 4.4.2 Proteomics
  - 4.4.3 Metabolomics
  - 4.4.4 Lipidomics
- 4.5 Considerations When Developing a Cardiac Biomarker
- 4.6 Defining Abnormal Biomarker Values
  - 4.6.1 Reference Limits
  - 4.6.2 Discrimination Limits
  - 4.6.3 Threshold Defining Risk
- 4.7 Receiver Operating Characteristic Curve Analysis of Biomarker Accuracy

## **CHAPTER 5 REVIEW OF KEY INDIVIDUAL CARDIAC BIOMARKERS**

- 5.1 Gold Standard of Cardiac Biomarkers
- 5.2 Troponin Complex
  - 5.2.1 Troponin C
  - 5.2.2 Troponin T
  - 5.2.3 Troponin I
  - 5.2.4 Troponin as the Preferred Biomarker
  - 5.2.5 High Sensitivity Troponin Assays
  - 5.2.6 Emergence of Point-of-Care Troponin Testing
- 5.3 Pro-BNP and/or NT-proBNP
- 5.4 Creatine Kinase Test
- 5.5 Myoglobin (Mb)
- 5.6 C-Reactive Protein
- 5.7 Other Key Cardiac Biomarkers
  - 5.7.1 Copeptin
  - 5.7.2 D-dimer
  - 5.7.3 Galectin-3
  - 5.7.4 Fatty Acid Binding Proteins
  - 5.7.5 ST2
- 5.8 Emerging Cardiac Biomarkers
  - 5.8.1 Choline
  - 5.8.2 Ischemia-Modified Albumin
  - 5.8.3 Myeloperoxidase
  - 5.8.4 S100-beta
- 5.9 Recent Technological Advances and Key Developments in Cardiac Biomarker Measurement
  - 5.9.1 Drivers
  - 5.9.2 Barriers
  - 5.9.3 Validation Hurdles
  - 5.9.4 Notable Technological Advancements

## **CHAPTER 6 GLOBAL MARKET FOR CARDIAC BIOMARKERS**

- 6.1 Introduction
- 6.2 Global Market for Cardiac Biomarkers, by Type of Biomarker
  - 6.2.1 Regional Overview
- 6.3 North American Market
  - 6.3.1 Selected Market Drivers
  - 6.3.2 Selected Market Restraints
  - 6.3.3 North American Market, by Country



- 6.4 European Market
  - 6.4.1 Selected Market Drivers
  - 6.4.2 Selected Market Restraints
  - 6.4.3 European Market, by Country
- 6.5 Asia-Pacific Market
  - 6.5.1 Selected Market Drivers
  - 6.5.2 Selected Market Restraints
  - 6.5.3 Asia-Pacific Market, by Country
- 6.6 Rest of World Market
  - 6.6.1 Selected Market Drivers
  - 6.6.2 Selected Market Restraints

## **CHAPTER 7 IMPACT OF THE COVID-19 PANDEMIC**

- 7.1 Overview
- 7.2 Impact of COVID-19 on the Market for Cardiac Biomarkers

## **CHAPTER 8 REGULATORY AND LEGISLATIVE REQUIREMENTS FOR CARDIAC BIOMARKERS**

- 8.1 North America
  - 8.1.1 U.S.
  - 8.1.2 Recent Developments
  - 8.1.3 Canada
- 8.2 Europe
  - 8.2.1 (General) Medical Device Directive, MDD (93/42/EEC)
  - 8.2.2 Active Implantable Medical Device Directive, AIMDD (90/383/EEC)
  - 8.2.3 In Vitro Diagnostic Medical Device Directive, IVDMD (98/79/EC)
  - 8.2.4 Proposed Changes to the Medical Device Directive, MDD (93/42/EEC)
  - 8.2.5 Notified Bodies
  - 8.2.6 German Reimbursement Structure and Schedules for Diagnostic Procedures
  - 8.2.7 French Reimbursement Structure and Schedules for Diagnostic Procedures
  - 8.2.8 Italian Reimbursement Structure and Schedules for Diagnostic Procedures
- 8.3 Japan
  - 8.3.1 Marketing Authorization System
- 8.4 China
  - 8.4.1 Overview of the Healthcare System
  - 8.4.2 Healthcare Reforms
  - 8.4.3 Healthcare Institutions

## 8.5 India

### 8.5.1 Overview of the Healthcare System

### 8.5.2 Hospital Resources

### 8.5.3 Population Statistics

## 8.6 South Korea

## 8.7 Brazil

### 8.7.1 Background

### 8.7.2 Regulatory and Legislative Requirements

### 8.7.3 Market Entry and Reimbursement of Medical Devices

## 8.8 Argentina

### 8.8.1 Background

## 8.9 Mexico

### 8.9.1 Legislation and Regulations Governing Medical Devices in Mexico

### 8.9.2 Health Insurance Structure

## **CHAPTER 9 PATENT REVIEW AND NEW DEVELOPMENTS IN CARDIAC BIOMARKERS**

### 9.1 Introduction

### 9.2 Cardiac Biomarker Patents, by Region and Country

## **CHAPTER 10 COMPETITIVE LANDSCAPE**

### 10.1 Company Market Share Analysis

### 10.2 Recent News

## **CHAPTER 11 COMPANY PROFILES**

ABBOTT LABORATORIES

ACS BIOMARKER BV

BECKMAN COULTER (SUBSIDIARY OF DANAHER CORP.)

BG MEDICINE INC.

BIOMERIEUX S.A.

BIO-RAD LABORATORIES, INC.

CARDIOGENICS

CREATIVE DIAGNOSTICS

CRITICAL DIAGNOSTICS

LIFE DIAGNOSTICS INC.

LIFESIGN

LSI MEDIENCE CORP.  
MERIDIAN LIFE SCIENCE INC.  
METANOMICS HEALTH GMBH  
ORTHO-CLINICAL DIAGNOSTICS INC.  
PERKINELMER INC.  
PTS DIAGNOSTICS  
QUIDEL CORP.  
RADIOMETER MEDICAL APS  
RANDOX LABORATORIES LTD.  
RESPONSE BIOMEDICAL CORP.  
ROCHE DIAGNOSTICS  
SANYO CHEMICAL INDUSTRIES LTD.  
SIEMENS AG  
SINGULEX INC.  
SPECTRAL MEDICAL INC.  
THERMO FISHER SCIENTIFIC, INC.  
TOSOH BIOSCIENCE INC.  
TRINITY BIOTECH PLC

## **CHAPTER 12 APPENDIX A: COMPANY ADDRESSES AND CONTACT DETAILS**

### 12.1 Company Addresses and Contact Details

## **CHAPTER 13 APPENDIX B: GOVERNMENT REGULATORY AGENCIES AND PROFESSIONAL ORGANIZATIONS**

### 13.1 Government Regulatory Agencies and Professional Organizations

## **CHAPTER 14 APPENDIX C: COMMONLY USED ACRONYMS ASSOCIATED WITH CARDIAC BIOMARKERS**

## List Of Tables

### LIST OF TABLES

Summary Table B: Global Market Shares of Cardiac Biomarkers, by Region, 2021

Summary Table A: Global Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 1: Standard Angina Pectoris Classification

Table 2: Top 20 Leading Causes of Deaths Globally, 2019

Table 3: Estimated Deaths Due to Noncommunicable Diseases, by Gender and Disease, 2019

Table 4: Estimated Deaths Due to Cardiovascular Disease, by Gender and Disease, 2019

Table 5: Global Health Estimates, by Gender and WHO Region, 2019

Table 6: Global Distribution of Male Deaths Caused by Cardiovascular Disease, by Age, 2019

Table 7: Global Distribution of Female Deaths Caused by Cardiovascular Disease, by Age Group, 2019

Table 8: Estimated Deaths Due to Cardiovascular Disease, by Gender and Disease, 2030

Table 9: Estimated Deaths Due to Cardiovascular Disease, by Gender and WHO Region, 2030

Table 10: Global Distribution of Male Deaths Caused by Cardiovascular Disease, by Age Group, 2030

Table 11: Global Distribution of Female Deaths Caused by Cardiovascular Disease, by Age, 2030

Table 12: Economic Burden of NCDs in India, 2012-2030

Table 13: Summary of Heart Failure Biomarkers

Table 14: Cardiac Biomarkers of Myocyte Stretch

Table 15: Cardiac Biomarkers of Myocyte Injury

Table 16: Cardiac Biomarkers of Oxidative Stress

Table 17: Cardiac Biomarkers of Neurohormonal Activation

Table 18: Prognostic and Diagnostic Values and Analytical Performance of Inflammatory Markers in Coronary Artery Disease

Table 19: Cardiac Biomarkers of Inflammation and Atherogenesis

Table 20: Cardiac Biomarkers of Renal Dysfunction

Table 21: Soluble Cell Adhesion Molecules

Table 22: Cardiac Biomarkers of Thrombosis

Table 23: Cardiac Biomarkers of Metabolic/Lipid Dysregulation

Table 24: Cardiac Biomarkers of Brain Damage

Table 25: Techniques Available for Biomarker Development

Table 26: Desirable Features of Cardiac Biomarkers

Table 27: Common Cardiac Biomarkers

Table 28: Contemporary Cardiac Troponin I and T Assay Analytical Characteristics as Designated by the Manufacturer

Table 29: High Sensitivity\* Cardiac Troponin I and T Assay Analytical Characteristics Designated by Manufacturer

Table 30: Point-of-Care Cardiac Troponin I and T Assay Analytical Characteristics Designated by Manufacturer

Table 31: BNP, NT-proBNP and MR-proANP Assays: Analytical Characteristics Designated by Manufacturer

Table 32: Profile of Biomarker Myoglobin

Table 33: Profile of Biomarker ST2

Table 34: Global Market for Cardiac Biomarkers, Through 2027

Table 35: Global Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 36: Global Market Shares of Cardiac Biomarkers, by Type of Biomarker, 2021

Table 37: Global Market Shares of Cardiac Biomarkers, by Region, 2021

Table 38: Global Market for Cardiac Biomarkers, by Region, 2027

Table 39: Global Market for Cardiac Biomarkers, by Instrument Category, Through 2027

Table 40: North American Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 41: North American Market for Cardiac Biomarkers, by Instrument Category, Through 2027

Table 42: Number of Persons Aged 65 Years or Over, Globally, by Region, 2019 and 2050

Table 43: Rough Projections of CVD Prevalence in the U.S., 2010–2030

Table 44: North American Market Shares of Cardiac Biomarkers , by Country, 2021

Table 45: U.S. Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 46: Canadian Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 47: European Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 48: European Market for Cardiac Biomarkers, by Instrument Category, Through 2027

Table 49: European Market Shares of Cardiac Biomarkers, by Country, 2021

Table 50: French Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 51: German Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 52: Italian Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 53: Spanish Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 54: U.K. Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 55: Rest of the European Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 56: Asia-Pacific Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 57: Asia-Pacific Market for Cardiac Biomarkers, by Instrument Category, Through 2027

Table 58: Asia-Pacific Market Shares of Cardiac Biomarkers, by Country, 2021

Table 59: Japanese Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 60: Chinese Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 61: Indian Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 62: South Korean Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 63: Australian Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 64: Rest of Asia-Pacific Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 65: RoW Market for Cardiac Biomarkers, by Type of Biomarker, Through 2027

Table 66: RoW Market for Cardiac Biomarkers, by Instrument Category, Through 2027

Table 67: ICD-9 and ICD 10 CM Diagnosis Codes Commonly Used to Report Cardiac Conditions

Table 68: Clinical Diagnostic Laboratory Fee Schedule, 2021

Table 69: Comparison of Pharmaceutical Affair Law and Japanese Medical Device Nomenclature and Related Codes with the EU MDD

Table 70: Number of Different Types of Medical Institutions and Beds Provided in Each Institution Type in China, 2018–2019

Table 71: Total Number of Hospitals, by Ranking in China, 2019

Table 72: Overview of Healthcare in India

Table 73: Recent Asia-Pacific Patent Publications Related to Cardiac Biomarkers

Table 74: Recent Chinese Patent Publications Related to Cardiac Biomarkers

Table 75: Recent European Patent Publications Related to Cardiac Biomarkers

Table 76: Recent U.S. Patent Publications Related to Cardiac Biomarkers

Table 77: Recent Canadian Patent Publications Related to Cardiac Biomarkers

Table 78: Recent Global Patent Publications Related to Cardiac Biomarkers

Table 79: Abbott Laboratories: Annual Revenue, by Business Segment, 2019–2021

Table 80: Abbott Laboratories: Diagnostics Revenue, by Segment, 2019–2021

Table 81: Danaher Corp.: Revenue, by Business Segment, 2019–2021

Table 82: bioMérieux S.A.: Recent Financial Performance, FY 2019–FY 2021
Table 83: Bio-Rad Laboratories, Inc.: Annual Revenue, by Business Segment, 2019–2021
Table 84: Meridian Life Science Inc.: Annual Revenue, by Business Segment, 2019–2021
Table 85: Meridian Life Science Inc.: Revenue, by Life Sciences Segment, 2019–2021
Table 86: PerkinElmer Inc.: Recent Financial Performance, FY 2019–FY 2021
Table 87: PerkinElmer Inc.: Annual Revenue, by Business Segment, FY 2019–FY 2021
Table 88: Quidel Corp.: Recent Financial Performance, FY 2019–FY 2021
Table 89: Roche Group: Annual Revenue, by Business Segment, 2019–2021
Table 90: Roche Group: Annual Revenue, by Diagnostics Segment, 2019–2021
Table 91: Siemens Healthineers: Annual Revenue, by Business Segment, 2019–2021
Table 92: Siemens Healthineers' Cardiovascular Assay Menu
Table 93: Thermo Fisher Scientific, Inc.: Annual Revenue, by Business Segment, 2019–2021
Table 94: Thermo Fisher Scientific, Inc.: Results of Operations, by Region, 2019–2021
Table 95: Tosoh Biosciences Inc.: Recent Financial Performance, FY 2019–FY 2021
Table 96: Tosoh Biosciences Inc.: Cardiac Biomarkers Product Portfolio
Table 97: Trinity Biotech Plc.: Annual Revenue, by Business Segment, 2019–2021
Table 98: Company Addresses and Contact Details
Table 99: Government Regulatory Agencies and Professional Organizations Associated with Cardiac Biomarkers
Table 100: Commonly Used Acronyms Associated with Cardiac Biomarkers



## List Of Figures

### LIST OF FIGURES

- Summary Figure A: Global Market Shares of Cardiac Biomarkers, by Type of Biomarker, 2021
- Summary Figure B: Global Market Shares of Cardiac Biomarkers, by Region, 2021
- Figure 1: Global Distribution of Male Deaths Caused by Cardiovascular Disease, by Age Group, 2019
- Figure 2: Global Distribution of Male Deaths Caused by Cardiovascular Disease, 2019
- Figure 3: Global Distribution of Female Deaths Caused by Cardiovascular Disease, by Age Group, 2019
- Figure 4: Global Distribution of Female Deaths Caused, by Cardiovascular Disease, 2019
- Figure 5: Global Distribution of Male Deaths Caused by Cardiovascular Disease, by Age, 2030
- Figure 6: Global Distribution of Male Deaths Caused, by Cardiovascular Disease, 2030
- Figure 7: Global Distribution of Female Deaths Caused by Cardiovascular Disease, by Age Group, 2030
- Figure 8: Global Distribution of Female Deaths Caused, by Cardiovascular Disease, 2030
- Figure 9: Projected Total Costs of Cardiovascular Disease in the U.S., 2015–2030
- Figure 10: Classes of Biomarkers Contributing to the HF Biomarker Profile
- Figure 11: Possible Roles of C-Reactive Protein in the Pathogenesis of Metabolic Syndrome and Cardiovascular Disorders
- Figure 12: Biomarker Use in Heart Failure Trials
- Figure 13: Approaches to Defining Abnormal Biomarker Values
- Figure 14: Receiver Operating Characteristic Curve in Different Cardiac Biomarkers
- Figure 15: Interpreting Elevated Levels of Cardiac Troponin
- Figure 16: Comparison of 19 Cardiac Troponin Assays
- Figure 17: Schematic Diagram of the Synthesis of NT-proBNP and BNP from the Pre-proBNP Protein by Cardiomyocytes
- Figure 18: Interpretation of NT-proBNP Values as a Predictor of Heart Failure
- Figure 19: Global Market Shares of Cardiac Biomarkers, by Type of Biomarker, 2021
- Figure 20: Global Market Shares of Cardiac Biomarkers, by Region, 2021
- Figure 21: North American Market for Cardiac Biomarkers, by Type of Biomarker, 2021
- Figure 22: North American Market Shares of Cardiac Biomarkers Market, by Country, 2021
- Figure 23: U.S. Market for Cardiac Biomarkers, by Type of Biomarker, 2021



- Figure 24: European Market for Cardiac Biomarkers, by Type of Biomarker, 2021
- Figure 25: European Market Shares of Cardiac Biomarkers, by Country, 2021
- Figure 26: Asia-Pacific Market for Cardiac Biomarkers, by Type of Biomarker, 2021
- Figure 27: Asia-Pacific Market Shares of Cardiac Biomarkers, by Country, 2021
- Figure 28: RoW Market for Cardiac Biomarkers, by Type of Biomarker, 2021
- Figure 29: U.S. General Population with Private Health Insurance Coverage, 2013–2021
- Figure 30: Illustration of Medicare Payment Process in the U.S.
- Figure 31: French Pricing and Reimbursement Process for Medical Devices
- Figure 32: Market Access Pathway for Inpatient Medical Devices in Italy
- Figure 33: Market Access Pathway for Outpatient Medical Devices in Italy
- Figure 34: The Chinese Healthcare System
- Figure 35: Global Market Shares of Cardiac Biomarkers, by Manufacturer, 2021
- Figure 36: bioMérieux S.A.: Sales Share, by Application, 2021
- Figure 37: Quidel Corp.: Revenue Share, by Product Segment, FY 2021

## I would like to order

Product name: Cardiac Biomarkers: Technologies and Global Markets

Product link: <https://marketpublishers.com/r/CEA1796DD31EN.html>

Price: US\$ 5,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/CEA1796DD31EN.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