

Renal Biomarkers Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

<https://marketpublishers.com/r/RFB40289815AEN.html>

Date: April 2022

Pages: 143

Price: US\$ 2,499.00 (Single User License)

ID: RFB40289815AEN

Abstracts

The global renal biomarkers market reached a value of US\$ 1.13 Billion in 2021. Looking forward, IMARC Group expects the market to reach a value of US\$ 1.88 Billion by 2027, exhibiting a CAGR of 8.70% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

Renal biomarkers are cells, proteins, lipids, microRNAs, genes, metabolites, or proteomic patterns present on a urinalysis. They assist in determining the glomerular filtration rate (GFR) of kidneys to analyze their proper functioning and evaluating pathogenic processes or pharmacological responses to therapeutic interventions. As they also aid in predicting disease progression and computing drug dosage, renal biomarkers find extensive applications in hospitals and diagnostic laboratories across the globe.

Renal Biomarkers Market Trends:

Chronic kidney disease (CKD), non-communicable disease with considerable morbidity and mortality, has gradually become a public health concern globally and its main risk factors are diabetes, hypertension and heart diseases. The increasing number of individuals with CKD represents one of the key factors propelling the growth of the market. Moreover, renal biomarkers, including blood urea nitrogen (BUN), serum creatinine (SCr), urinary albumin/protein and volume excretion, are used in the diagnosis of chronic kidney disease (CKD) and monitoring of the disease. Besides this, there is a growing interest of industry investors in novel single biomarkers and process-specific biomarker panels in human renal diseases around the world. These novel biomarkers provide vital diagnostic and prognostic information and help predict

response to the treatment of glomerulopathies, acute kidney injury (AKI), and autosomal dominant polycystic kidney disease (ADPKD). Apart from this, renal biomarkers are becoming accessible and feasible in all-sized laboratories. This, along with the development and integration of genomics, epigenetics, transcriptomics, proteomics, and metabolomics, is positively influencing the market. Some of the other factors, such as the burgeoning healthcare industry, the rising geriatric population, and the increasing number of clinical trials for CKD worldwide, are anticipated to facilitate the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global renal biomarkers market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on biomarker type, diagnostic technique and end user.

Breakup by Biomarker Type:

Functional Biomarker

Serum Creatinine

Serum Cystatin C

Urine Albumin

Up-regulated Protein

Neutrophil Gelatinase-Associated Lipocalin (NGAL)

Kidney Injury Molecule-1

INTERLEUKIN-18

Others

Breakup by Diagnostic Technique:

Enzyme-linked Immunosorbent Assay (ELISA)

Particle-enhanced Turbidimetric Immunoassay (PETIA)

Colorimetric Assay

Chemiluminescent Enzyme Immunoassay (CLIA)

Liquid Chromatography Mass Spectrometry (LC-MS)

Breakup by End User:

Hospital

Diagnostic Laboratory

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Abbott Laboratories, Beckman Coulter Inc. (Danaher Corporation), bioMérieux SA, BioPorto A/S, Bio-Rad Laboratories Inc., Enzo Biochem Inc., F. Hoffmann-La Roche AG, PerkinElmer Inc., Randox Laboratories Ltd., Siemens AG and Thermo Fisher Scientific Inc.

Key Questions Answered in This Report:

How has the global renal biomarkers market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global renal biomarkers market?

What are the key regional markets?

What is the breakup of the market based on the biomarker type?

What is the breakup of the market based on the diagnostic technique?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global renal biomarkers market and who are the key players?

What is the degree of competition in the industry?

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