

C-Reactive Protein Testing Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

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Report description:

The C-reactive protein (CRP) testing market is projected to register a CAGR of 1.8% during the forecast period (2022-2027).

COVID-19 has had an unprecedented effect on the healthcare and diagnostic industry. For instance, according to the study published in Annals of Clinical Microbiology and Antimicrobials, titled "Plasma CRP level is positively associated with the severity of COVID-19" in May 2020, plasma CRP levels were found to be linked to the severity of COVID-19 pneumonia. The findings could help distinguish mild COVID-19 pneumonia patients from those with moderate to severe COVID-19 pneumonia. This could serve as an early warning sign of serious disease, allowing doctors to better stratify patients for transfer to an intensive care unit. The importance of CRP testing in the COVID-19 infection for the stratification of patients will lead to increased demand for CRP testing, thereby impacting the market growth during the pandemic.

The major factors propelling the growth of the C-reactive protein testing market include the rise in prevalence of inflammatory disorders, diabetes, and cancers; the increasing global incidence of endometriosis in women; the rise in funding for technological advancement in diagnostics; and the rise in adoption of point-of-care devices.

According to the data published by the Center for Disease Control and Prevention and updated in July 2022, there are about 20.1 million adults aged 20 and older in the United States who have coronary artery disease. It also reported that in the United States, every year, about 805,000 people have a heart attack. The rising prevalence of cardiovascular diseases will lead to increased adoption of CRP testing to identify the risk associated with cardiovascular disease, thereby driving the market growth.

Furthermore, the rise in product launches of point-of-care CRP tests is expected to contribute to the growth of the CRP testing market. For instance, in May 2020, ProCiseDx filed a 510k for the ProCise CRP test. The test is performed utilizing ProCiseDx's FRET

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(Fluorescent Resonance Energy Transfer) Point of Care equipment, which is an inflammatory marker extensively used in gastrointestinal therapy.

Therefore, the rising prevalence of cardiovascular disease and rising product launches for point-of-care CRP testing, among others, are expected to drive the growth of this market over the forecast period. On the other hand, lack of public awareness and the availability of alternative treatments are the factors that are expected to hinder the market's growth.

C-reactive Protein Testing Market Trends

Enzyme-linked Immunosorbent Assay (ELISA) Segment is Expected to Hold a Significant Share in the Market Over the Forecast Period

The Enzyme-linked Immunosorbent Assay (ELISA) segment is expected to hold a significant share in the C-reactive protein testing market by assay type. Factors such as the rise in the prevalence of cancers; the growth in infections such as COVID-19; the surge in partnerships for the commercialization of ELISA tests; and an upsurge in product launches, among others, are expected to drive the growth of this segment during the forecast period.

According to Globocan 2020, the global cancer burden has risen to 19.3 million cases and 10 million cancer deaths in 2020. As the ELISA test can be a useful technique for detecting cancer early on, there will be increased adoption of these tests for the detection of cancer across the world, thereby driving the segment's growth.

Furthermore, the establishment of the facilities providing the test is also expected to boost the growth of the market. For instance, in June 2021, Triviron Healthcare launched the mobile laboratory for COVID-19 diagnostics to facilitate COVID-19 diagnostics in urban, rural, and far-flung geographies across India. The indigenous lab provides tests for CLIA/Elisa tests for inflammatory markers like D-Dimer, CRP & IL-6, RT-PCR tests, rapid antigen tests, CLIA/Elisa Antibodies Tests IgG and IgM, and others.

Therefore, rising product launches, a rise in collaborations, and a rise in the prevalence of cancer are expected to drive the growth of this segment over the forecast period.

North America is Expected to Hold a Significant Share in the Market and Expected to do Same Over the Forecast Period

North America dominated the market with a large revenue share. The factors that are likely to be responsible for the dominance of this segment are the rise in the prevalence of cardiovascular diseases, rising product launches, the presence of established players, technological advancements, and well-established healthcare infrastructure.

In addition, according to the study published in *Frontiers in Immunology*, titled "How C-Reactive Protein Structural Isoforms With Distinctive Bioactivities Affect Disease Progression" in September 2020 by the Roosevelt University College of Pharmacy, United States, because of the c-reactive protein (CRP) test functional bioactivity as the prototypic acute phase reactant has eluded clear definition for decades, diagnosticians of various conditions and diseases use CRP blood levels as a simple index for ongoing inflammation. Such studies will lead to further adoption of CRP testing for the diagnosis of inflammation in the body.

Furthermore, in October 2020, Nova Biomedical launched the Allegro C-reactive protein (CRP) test for its Allegro capillary blood analyzer for point-of-care (POC) testing in primary care settings. The Allegro and its StatStrip companion meter give 11 clinically necessary tests to assist clinicians in making therapeutic decisions and changes. The increasing product launches for CRP testing in the United States will lead to increased adoption of these tests, which is thereby expected to drive the growth of this market in the United States.

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Therefore, the rising prevalence of cardiovascular diseases and rising product launches, among others, are the factors expected to drive the growth of this market in North America.

C-reactive Protein Testing Market Competitor Analysis

The C-reactive Protein testing market is fragmented and competitive. Factors such as strategic partnerships between key market players to expand their product portfolios; expansion in research and development; distribution; and management facilities to gain a competitive edge in the market are expected to drive the market's growth. Some of the companies in this market include Abbott Laboratories, Danaher Corporation (Beckman Coulter Inc.), F. Hoffmann-La Roche AG, Merck KGaA, Quest Diagnostics, and Thermo Fisher Scientific Inc., among others.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

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