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Blood Culture Test Market Expected to Reach $8.186 Billion by 2027 | CAGR of 9.3%

Blood culture test market study provides an in-depth analysis and the current trends and future estimations.

Blood culture test market size 2027

PORTLAND, OREGON, UNITED STATES, November 14, 2023 /EINPresswire.com/ -- Blood culture test market was valued at $3.900 billion in 2019, and is projected to reach $8.186 billion by 2027, registering a CAGR of 9.3% from 2020 to 2027. The blood culture test is a procedure used to detect the presence of microorganism such as fungi or bacteria in the blood. It diagnosis the causative agent responsible for bloodstream infection and provides a better therapeutic approach. The blood culture test is often done in conjunction with other diagnostic tests such as chemical analysis and complete blood count. The blood culture test helps to determine the infection and provides appropriate treatment required for a patient.

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T2 BIOSYSTEMS, INC., F. HOFFMANN-LA ROCHE LTD, BIOMÉRIEUX SA, BECTON, DICKINSON AND COMPANY, OPGEN INC., AUTOBIO DIAGNOSTICS CO. LTD, THERMO FISHER SCIENTIFIC, INC., BRUKER CORPORATION, NEOGEN Corporation (Abtek Biologicals), LUMINEX CORPORATION

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As per the data published by the United Nations Children Fund (UNICEF) in 2021, around 1,400 cases of pneumonia per 100,000 children were diagnosed, every year and one child die due to pneumococcal infection (bacteremia and pneumonia) for every 39 seconds. With the help of blood culture tests, these diseases can easily be diagnosed, controlled, and prevented from becoming severe in nature. The diagnostic devices for blood culture test are recently emerging technologies that are gaining acceptance and are being adopted by various healthcare professionals. Furthermore, the use of polymers chain reaction (PCR), microarray, and peptide nucleic acid-fluorescent in situ hybridization (PNA-FISH) are increasing due to their higher accuracy, high specificity in tests, and lower lead time. Thus, the rise in prevalence of bacterial infection and advancements in diagnostic techniques in blood culture test support the market growth.

The global blood culture test market is segmented into product, method, application and region. On the basis of product, the market is divided into consumables, instruments, and software & services. The consumable segment dominated the market in 2019, as the demand for use of consumables is rising, owing to increase in application of blood culture media as well as assay, kits, and reagent.

Depending on method, the blood culture test market is categorized into conventional and automated blood culture method. The conventional segments spearheaded the market in 2019, owing to its extensive use of conventional blood culture methods in independent clinical laboratories, hospitals, and pathology laboratories. The applications covered in the study include bacterial, fungal, and others. The bacterial segment led the market in 2019, and is expected to continue this trend throughout the forecast period, as the bacterial infection is the leading cause of bloodstream infection and sepsis.

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