

Newborn Screening Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global newborn screening market size reached US\$ 880.2 Million in 2021. Looking forward, IMARC Group expects the market to reach US\$ 1,371.7 Million by 2027, exhibiting a growth rate (CAGR) of 7.79% 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. These insights are included in the report as a major market contributor.

Newborn screening is a public healthcare initiative focusing on infant screening, parental education, appropriate follow-up, diagnostic testing, disease management, and continued evaluation. It targets diseases that can cause significant morbidity, mortality, and intellectual disability (ID). Some of these diseases included in the newborn screening tests are galactosemia, phenylketonuria (PKU), homocystinuria, hearing loss, sickle cell disease (SCD), biotinidase deficiency, maple syrup urine, congenital adrenal hyperplasia, and medium-chain acyl-CoA dehydrogenase (MCAD) deficiency. Nowadays, public healthcare organizations across the globe are adopting new testing techniques, such as tandem mass spectrometry (MS/MS), to detect disorders associated with protein and fatty acid metabolism using blood samples.

Newborn Screening Market Trends:

The rising prevalence of congenital conditions among infants, along with increasing concerns among parents about the health of children, represents one of the significant factors influencing the market. Newborn screening relies on a specific set of laboratory evaluations and point-of-care examinations for early detection, diagnosis, and intervention of disorders. These disorders are genetic, metabolic, blood, or hormone-related, which are not immediately apparent after delivery and require practical

intervention. This, coupled with the rising awareness about early diagnosis and improving diagnostic modalities, is propelling the growth of the market. Moreover, with the development of robust immunoassays and molecular diagnostics, disorders like primary hypothyroidism, cystic fibrosis (CF), and congenital toxoplasmosis are being targeted in several newborn screening tests. Apart from this, governing agencies of numerous countries are planning to mandate newborn screening programs due to increasing child morbidity and mortality, which is also contributing to market growth. Furthermore, the leading players are engaged in building strategic partnerships to ensure product sustainability, which is anticipated to create a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global newborn screening market report, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on product, technology and test type.

Breakup by Product:

- Instruments
- Reagents

Breakup by Technology:

- Tandem Mass Spectrometry
- Pulse Oximetry
- Enzyme Based Assay
- DNA Assay
- Electrophoresis
- Others

Breakup by Test Type:

- Dry Blood Spot Test
- CCHD
- Hearing Screen

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 Agilent Technologies Inc., Baebies Inc., Bio-RAD Laboratories Inc., Chromsystems Instruments & Chemicals GmbH, Danaher Corporation, Masimo Corporation, Medtronic plc, Natus Medical Incorporated, Perkinelmer Inc., RECIPE Chemicals + Instruments GmbH, Thermo Fisher Scientific Inc., Trivitron Healthcare and Waters Corporation.

Key Questions Answered in This Report:

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

What has been the impact of COVID-19 on the global newborn screening market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the technology?

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

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 newborn screening market and who are the key players?

What is the degree of competition in the industry?

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