

INDIA'S TOP NEWS MAKERS 2024-25 OF HEALTHCARE INDUSTRY

Triviron Healthcare:
Newborn Screening Solution is protecting millions of newborn babies from health ailments

TRIVIRON
HEALTHCARE
speaking your language

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Can you share about your groundbreaking product spearheaded that have gained widespread attention or adoption?

"There is a difference in every life, and the difference can be made at birth. This is why our Newborn Screening Solutions (NBS) empowers parents to ensure healthier beginnings for their newborns. Every family, anywhere, everywhere, should be able to benefit from it, by giving their little one a healthy start."

To redefine the standards of neonatal care, Triviron's LabSystems Diagnostics' NBS Solutions are protecting millions of newborn babies from health ailments. Our NBS solutions are not just part of preventive care - they are shaping it. Trusted by healthcare providers across continents, it is transforming lives globally.

One major reason NBS has gained widespread attention from healthcare providers and researchers, and has worldwide users because it works on the early identification of metabolic, hormonal, and genetic disorders in newborns.

It has been instrumental in shaping newborn screening programs in several countries across Asia, Africa, and Europe. Due to raising awareness about the importance of early diagnostics, several Indian state governments are now adopting NBS for public health programs.

The arrival of a newborn is a moment that brings unmatched happiness for parents, but it also brings a phase of observance and care. With NBS early detection of hidden health disorders or concerns can be done at initial stage, and play a major role in well-being of the newborn. Countries that have newborn screening programs have shown a significant decrease in infant mortality rates and long-term healthcare costs. In developing nations, where neonatal mortality is a public health challenge, newborn screening is not just a medical necessity but a humanitarian duty.

Triviron's LabSystems Diagnostics is consistently focusing on innovations in NBS. It has filled a crucial need in neonatal care so not only does it save many lives, but it has improved the quality of life for many families as well.

Why Newborn Screening Matters?

As per the latest research, globally 1 out of every 1000 newborns develop life-threatening conditions if left undiagnosed at the time of birth. Conditions like congenital hypothyroidism, phenylketonuria (PKU), and galactosemia remain asymptomatic during the first days after childbirth. However, if left untreated, it could cause a lifelong disability or even fatal outcomes. Early detection by NBS, can prevent irreversible damage and ensure normal and healthy baby development with the proper treatment provided by healthcare providers.

Features of the Newborn Screening

Triviron's LabSystems Diagnostics' Newborn Screening

Tests incorporates advanced biochemistry and molecular technologies. Designed with precision, reliability, and scalability in mind, the test offers several standout features.

A patented technology enables the detection of over 50 metabolic, genetic, and endocrine disorders from a single dried blood spot sample. These include critical conditions such as amino acid disorders and fatty acid oxidation disorders. Powered by proprietary enzymatic and fluorometric assays, the test ensures high sensitivity and specificity, minimizing false positives and negatives. This precision is crucial for instilling confidence in healthcare providers and parents alike.

The test is compatible with state-of-the-art automated platforms, enabling high-throughput screening for hospitals and laboratories. This not only enhances operational efficiency but also ensures quick turnaround times - a critical factor in neonatal care.

Recognizing the economic constraints in low- and middle-income countries, Triviron has prioritized affordability without compromising on quality. The test aligns with international standards while being cost-effective, making it a viable option for resource-limited settings.

The Newborn Screening test is more than a diagnostic tool; it is part of a comprehensive approach to neonatal health. Triviron Healthcare has collaborated with policymakers and healthcare professionals worldwide to advocate for universal newborn screening. The company also provides extensive training and support to healthcare providers, ensuring seamless implementation and interpretation of screening results.

Triviron's LabSystems Diagnostics continue to invest in research and development to expand the capabilities of newborn screening. The future roadmap also aims at integrating next-generation sequencing (NGS) for broader screening and detailed genetic insights. This will increase the chances of detection of rare and complex disorders, which are more often missed by standard testing.

Our Newborn Screening Solution exemplifies our vision of advanced, affordable, and accessible healthcare for everyone. It helps ensure that all children, no matter where in the world they are born, are given the best possible beginning to their lives.