

Amniocentesis Needles Market by Business Growth, Development Factors, Revenue Strategies, and Future Trends till 2030

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/EINPresswire.com/ -- The [Amniocentesis Needles Market](#) is estimated to be valued at US\$ 154.4 million in 2023 and is expected to exhibit a CAGR of 3.8% over the forecast period 2023-2030, as highlighted in a new report published by Coherent Market Insights.

The Amniocentesis Needles Market refers to the global market for needles used in amniocentesis procedures, which is a prenatal diagnostic test carried out to detect genetic abnormalities, chromosomal disorders, and neural tube defects in the fetus. The procedure involves the collection of a small amount of amniotic fluid from the sac surrounding the fetus using a specialized needle. The analyzed fluid helps in identifying potential health issues in the unborn baby and enables healthcare providers to make informed decisions regarding the management of pregnancy.

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Market Dynamics:

The Amniocentesis Needles Market is driven by the rising prevalence of genetic abnormalities worldwide. Increasing awareness about the availability and benefits of prenatal testing methods, such as amniocentesis, among both healthcare professionals and expectant parents, is also contributing to market growth. In addition, advancements in prenatal testing techniques, such as the incorporation of microarray analysis and next-generation sequencing (NGS) technologies, are further fueling the demand for amniocentesis needles.

Furthermore, the growing trend of delayed pregnancies and the rising average maternal age



globally is anticipated to propel the market growth. Older pregnant women have a higher risk of having babies with chromosomal abnormalities, thereby increasing the demand for prenatal testing procedures such as amniocentesis. The market is also expected to benefit from the increasing focus of market players on product innovations, such as the development of thinner and more flexible needles, to improve patient comfort during the procedure. Overall, these factors

List of TOP Players in Market Report are: - Becton, Dickinson and Company, Biopsybell S.R.L., Cook Medical Inc, CooperSurgical Inc., Integra Lifesciences, Laboratoire CCD, Medline Industries Inc., Medtronic Plc, RI.MOS. S.R.L., Rocket Medical Plc., Smiths Medical Inc., and Tsunami Medical S.R.L.

Detailed Segmentation:

By Product Type (100mm to 150mm, Smaller Than 100 mm, and Larger Than 150 mm)

By Application (Amniocentesis, Amnioreduction, Fetal Blood Transfusion, Amnioinfusion, and Cordocentesis)

By End User (Hospitals, Diagnostic Centers, and Clinics)

Market Drivers:

□ Growing incidence of genetic disorders and fetal chromosomal abnormalities

The increasing prevalence of genetic disorders and fetal chromosomal abnormalities is a significant driver for the Amniocentesis Needles Market. These conditions, such as Down syndrome and cystic fibrosis, can potentially lead to severe physical and intellectual disabilities in babies. As a result, there is a rising demand for prenatal genetic testing procedures like amniocentesis to accurately diagnose these conditions and enable informed decision-making for expectant parents.

Amniocentesis is a diagnostic procedure that involves the collection of a small amount of amniotic fluid surrounding the fetus. This fluid contains fetal cells that can be analyzed to detect genetic abnormalities. Given its effectiveness in identifying a wide range of genetic disorders, amniocentesis has become an essential tool for prenatal screening and diagnosis.

The increasing awareness among healthcare providers and pregnant women about the benefits of amniocentesis for diagnosing genetic disorders and fetal chromosomal abnormalities is expected to drive market growth. Moreover, advancements in genetic testing technologies, such as next-generation sequencing, have improved the efficiency and accuracy of amniocentesis, further fueling its adoption.

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□ Rising maternal age and increasing number of pregnancies at high risk

The average age of mothers at the time of childbirth has been steadily increasing in many developed countries. Delayed childbearing is often accompanied by an elevated risk of chromosomal abnormalities, particularly Down syndrome. As a result, there is a growing demand for amniocentesis in older expectant mothers to assess the risk of genetic disorders in their babies.

Furthermore, the increasing number of pregnancies deemed high risk due to factors such as previous pregnancy complications, family history of genetic disorders, or maternal health conditions is driving the demand for amniocentesis. High-risk pregnancies necessitate closer monitoring and accurate diagnosis to ensure the well-being of both the mother and the fetus. Amniocentesis offers a reliable and definitive method for assessing fetal health, thus providing reassurance and enabling appropriate medical interventions.

Market Restraints:

□ Availability of non-invasive prenatal testing (NIPT) alternatives

Although amniocentesis is a highly accurate diagnostic test, it is an invasive procedure associated with certain risks. These risks include the potential for miscarriage, infection, and injury to the fetus. This has led to the development of non-invasive prenatal testing (NIPT) alternatives that offer accurate fetal genetic information through a simple blood test. NIPT analyzes cell-free fetal DNA circulating in the mother's bloodstream, eliminating the need for invasive procedures like amniocentesis.

The availability and increasing adoption of NIPT alternatives present a restraint to the Amniocentesis Needles Market. Many pregnant women who previously relied on amniocentesis may now opt for the less invasive NIPT due to its comparable accuracy and lower risk profile. The convenience and safety associated with NIPT, along with its ability to detect a broad range of chromosomal abnormalities, pose a considerable challenge to the growth of the amniocentesis market.

□ Ethical and legal considerations surrounding prenatal genetic testing

Prenatal genetic testing, including amniocentesis, raises ethical and legal concerns regarding the potential use of test results for selective abortions based on the presence of certain genetic disorders. This has prompted debates and discussions regarding the ethics of prenatal screening and the consequences it may have on societal views towards individuals with disabilities.

These ethical and legal considerations can hinder market growth by influencing pregnant women's decision-making processes. Some expectant parents may choose to forgo prenatal genetic testing altogether due to these concerns, impacting the demand for amniocentesis needles.

Furthermore, laws and regulations regarding prenatal genetic testing vary across different countries and regions, creating uncertainties for market players. Stringent regulations or legal restrictions in certain jurisdictions may impede market expansion and limit access to amniocentesis services.

Recent Developments:

□ In October 2019, Medtronic PLC began constructing an Innovative Center in Chengdu, China. The novel innovation center is designed to offer a platform for multidisciplinary, cutting-edge medical research and training programs for medical professionals. The center is planned to open in 2020.

□ In 2018, Medline Industries, Inc. acquired Centurion Medical Products. This acquisition is likely to offer a comprehensive set of goods that would complement the minor procedure tray kits as well as growing focus on prevention of infection.

Questions Answered by the Report:

- (1) Which are the dominant players of the Amniocentesis Needles Market?
- (2) What will be the size of the Amniocentesis Needles Market in the coming years?
- (3) Which segment will lead the Amniocentesis Needles Market?
- (4) How will the market development trends change in the next five years?
- (5) What is the nature of the competitive landscape of the Amniocentesis Needles Market?
- (6) What are the go-to strategies adopted in the Amniocentesis Needles Market?

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