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UAE Genetic Testing Market Size, Share & Trends Analysis Report By Technology (Next-generation Sequencing, Array Technology), By Application, By Channel, By End-use, And Segment Forecasts, 2022 - 2030

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Abstracts

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UAE Genetic Testing Market Growth & Trends

The UAE genetic testing market size is expected to reach USD 120.82 million by 2030, according to a new report by Grand View Research, Inc. The market is anticipated to expand at a CAGR of 22.2% from 2022 to 2030. The incidence of cancer is significant in the UAE, and it is the country's third-largest cause of noncommunicable diseases (NCD)-related mortality. According to WHO 2020 report, the UAE has a cancer incidence and mortality of 4,807 and 1,896, respectively. The UAE became one of the fastest-growing economies in the world in the mid-twentieth century, with this expansion contributing to economic, sociodemographic, and lifestyle changes in its population as well as an epidemiological increase in NCD rates. The increasing cases of cancer has is also estimated to drive the market growth.

The technological advancements in diagnostic equipment have proven to be very useful in preventing, maintaining, and treating genetic diseases. It has also proven to be beneficial in prompt intervention for treating diseases when detected early in infancy through newborn screening. Aside from providing precise and reliable estimates of the prevalence of inherited diseases, molecular genetic testing is playing a vital role in the understanding of genetic disease's molecular pathology. This analysis is expected to improve prognosis and guide the development of customized molecular diagnostic

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methodologies against gene-related diseases.

In June 2021, the UAE announced a new first-of-its-kind institution focused on strengthening local genomic research as well as detecting and treating people with genetic abnormalities. This aims to assist in achieving the objective of enhancing health through cutting-edge academic research and the development of future researchers who will serve individuals and organizations in the UAE and around the region. These factors are expected to boost the market growth during the forecast period.

Genetic research & development in the country is playing a vital role in the advancements of personalized medicines. Due to the wide range of applications offered by genetic testing, the authorities are focusing on conducting innovative programs for citizens. For instance, in March 2018, the Dubai authority announced its ambitious plan to test the DNAs of all three million citizens. Increasing support by the government and favorable regulatory policies is anticipated to boost the demand for gene-related testing in the country.

UAE Genetic Testing Market Report Highlights

By technology type, the next-generation sequencing segment held the highest market share of 46.4% in 2021 and is expected to witness the highest growth during the forecast period

The ancestry & ethnicity application segment held the highest share of the genetic testing market, owing to the significant decrease in the cost of tests. The adoption rate of these tests has increased hugely

Hospital segment captured the highest market share in 2021, owing to the increasing prevalence of hospitalization of patients with genetic disorders in the country. Congenital malformations is the second major cause of mortality in the UAE

By channel insights, the offline channel segment held the highest share in 2021 of the genetic testing market, owing to the integration of new molecular genetic testing technologies, allowing the genetic testing industry to expand at a rapid pace

Some of the key market players include Middle East Testing Services L.L.C, Molecular Biology & Genetics Laboratory, NSG, Freiburg Medical Laboratory

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Middle East, IVI MIDDLE EAST FERTILITY CLINIC, 23andMe, Inc, Ancestry, CircleDNA, 24Genetics

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