

# Single Blood Drop Analysis: Technologies and Global Market

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## Abstracts

### REPORT SCOPE:

The scope of this study entails the current market for blood analyzers, especially the single blood drop analyzer. The report also includes regulatory aspects, current and developing technologies, market projections and market share. An analysis of patents, clinical trials, innovations and opportunities, as well as the latest trends are also discussed. The report intends to explain the key trends of blood analysis technologies. It discusses the market determinants that act as motivating and restraining factors and provides insights to stakeholders and potential entrants. The report will be a key decision-making tool for the intended audience which includes blood analysis equipment manufacturers, POC device manufacturers, biochemical sensor manufacturers, angel investors, potential entrants and so forth. This study contributes to the areas of market growth among single blood drop analyzers and related technology manufacturers. Genomic research centers, academic institutions, government and private laboratories, various hospital settings as well as pharmaceutical, diagnostic and biotechnology companies and physicians will find this study to be of interest.

In order to provide a better understanding of the market, the report is divided into segments based on applications, technology, end user, and geography. The technologies segment includes blood collection, blood analyzers, and consumable technologies; the applications section includes diagnostic testing for various diseases such as cancer, diabetes, cardiovascular, viral or bacterial infection, fertility, and allergy. Additionally, the report also focuses on patient monitoring and drug response monitoring. The report provides regional insight of leading market segments. Geographically, the global market is divided into North America, Europe, Asia-Pacific (APAC), and Rest of World. Further, the country-level market is analyzed according to

its geographical region.

The report provides useful information to all the market players, potential entrants, government agencies and other interested parties. As the report also covers various geographic regions in detail, companies interested in expanding their geographic reach will also find the report useful.

## **REPORT INCLUDES:**

61 tables

An overview of the global market for single blood drop analysis and its technologies

Analyses of global market trends, with data from 2016, 2017, and projections of compound annual growth rates (CAGRs) through 2022

Description of market trends and blood analysis tests and technologies

Market breakdown by blood collection technologies, end use, application, and by region

Discussion of new technologies in the market, and a patent analysis

A look into key suppliers' and manufacturers' positioning and strategies

Comprehensive company profiles of key players in the market, including Blusense Diagnostics, Koninklijke Philips, Siemens Healthcare, Toray Industries Inc., Abionic Sa, and 1drop Diagnostics

## **SUMMARY**

The global single blood drop analysis market is expected to increase at a compound annual growth rate (CAGR) of REDACTED% and reach nearly \$REDACTED billion during the 10-year forecast period of 2017 through 2027. Technological advancements are the major driving force for this market. Single blood drop analysis provides quality results which are similar to conventional lab testing. Single blood drop analysis is highly popular in POC devices especially among diabetes patients for diagnosis and

monitoring of blood glucose. A number of leading players such as Bayer, Abbott, Alere, Siemens, Koninklijke Philips

Philips, and Becton Dickinson (BD) are already performing well in the diabetes care market. In the current market scenario, single blood drop analysis is not limited to diabetes testing and monitoring. A variety of tests can be performed on a single drop of blood. For example, i-STAT, a POC designed by Abbott can perform 26 tests by analyzing chemistries, electrolytes, hematology and blood gasses from single blood drop. Similarly, Toray Industries Inc. developed a test which can detect 13 types of cancers from a single blood drop. Cepheid, a Danaher company, developed a test which offers quantitative and qualitative assays for HIV, hepatitis C and Ebola by using three to four drops of blood. Karius Inc. developed a test that can identify 1,250 microbes (bacteria, viruses, fungi, protozoa) from a single drop of blood.

Presently, single blood drop tests are becoming more popular and attracting investors. In 2016, Genalyte, a startup engaged in single blood drop analysis, received \$REDACTED million in funding. Additionally, 1Drop Diagnostics received several investments from 2015 to 2017. During 2015, it received \$REDACTED and in 2016, it received another \$REDACTED from an undeclared source. With its testing kits, 1Drop facilitates the early detection, prevention and management of disease, thus enabling individuals to live better lives. Theranos, once a popular and pioneering company in this market, received overall funding of around \$800 million. However, the company did not perform well in the market and failed. The failure of Theranos did not affect the growth of the market and many new players, mainly startups such as Genalyte, Nueon Inc., 1Drop Diagnostics, GRAIL, Graphene Frontiers, Karius Inc., and Seventh Sense Biosystems have entered the market since. Apart from these new entrants, some well-established players such as Abbott, Philips, BD, Bayer, Roche, Siemens Healthcare, Danaher, and Alere are actively participating in the market to bring new technologies.

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Spain

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MENA

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ABIONIC SA

ALERE

APOLLO MEDICAL DEVICES LLC

APOLLODX LLC

AVALUN SAS

BAYER AG  
BECTON, DICKINSON AND COMPANY  
BLUSENSE DIAGNOSTICS  
CEPHEID  
DNA e Group Holdings Ltd  
EUROLYSER DIAGNOSTICA GMBH  
GENALYTE INC.  
GENTEEL LLC  
GRAPHENE FRONTIERS  
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IDEXX BIORESEARCH  
INFORMED DATA SYSTEMS INC.  
JANA CARE INC.  
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NEOTERYX LLC  
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ORPHIDIA INC.  
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ROCHE DIAGNOSTICS  
SEVENTH SENSE BIOSYSTEMS  
SIEMENS HEALTHCARE  
TELOMERE DIAGNOSTICS INC.  
THERANOS  
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### COMPANIES MENTIONED

1DROP DIAGNOSTICS

ABBOTT

ABIONIC SA

ALERE

APOLLO MEDICAL DEVICES LLC

APOLLODX LLC

AVALUN SAS

BAYER AG

BECTON, DICKINSON AND COMPANY

BLUSENSE DIAGNOSTICS

CEPHEID

DNA e Group Holdings Ltd

EUROLYSER DIAGNOSTICA GMBH

GENALYTE INC.

GENTEEL LLC

GRAPHENE FRONTIERS

HICOMP MICROTECH CO. LTD.

HOME ACCESS HEALTH CORP.

HOWARD HUGHES MEDICAL INSTITUTE  
I-CALQ LLC  
IDEXX BIORESEARCH  
INFORMED DATA SYSTEMS INC.  
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KARIUS INC.  
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