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# Cell-Free DNA

December 2016



## Highlights

### World Overview and Forecasts

Introduction | Cell-Free DNA Market | Cell-Free DNA Clinical Diagnostics Market

### Regional Segmentation

Cell-Free DNA Market by Region | Challenges | Strategic Recommendations

### Industry Structure

Industry Characteristics | Market Share

### Resources

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# ABOUT THIS REPORT

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## Scope & Method

This report forecasts annual world revenues for the cell-free deoxyribonucleic acid (cfDNA) market and the cfDNA clinical diagnostics market in US dollars for 2015-2021. To illustrate historical trends world, product, and regional demand are provided for 2015. Product segments include:

- consumables
- systems/hardware
- services.

Major world regions include:

- North America
- Europe
- Asia/Pacific and the rest of the world.

This report focuses on the market for cfDNA analysis instruments, consumables, kits, and related software. This includes the sample preparation products and equipment as well as the next-generation sequencing (NGS) and digital polymerase chain reaction (dPCR) systems used for detection. Several companies are licensing their technologies or offering services, which is also covered in the report. It discusses trends, challenges, strategies, companies, and products, as well as provides estimates of market share and revenue growth for the market. The competitive situation, deals, and litigation are covered in respective chapters.

This report quantifies trends in various measures of growth. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Unless otherwise indicated, both historical and forecasted demand values are expressed in US dollars at a fixed 2015 rate of exchange with local currencies.

A full outline of report items by page is available in the Table of Contents.

## Sources

*World Cell-Free DNA* (FW40069) is based on [Cell-Free DNA \(cfDNA\) Markets](#), a comprehensive industry report published by Kalorama Information in December 2016. The report was produced through a combination of primary research, secondary research, and internal databases, including Security Exchange Commission filings, product literature, corporate websites, conferences, journals, and trade publications.

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

## Industry Codes

**Table 6 | Industry Codes Related to Cell-Free DNA**

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
325412	Pharmaceutical Preparation Mfg	2834	Pharmaceutical Preparations
325413	In-Vitro Diagnostic Substance Mfg	2835	In Vitro and In Vivo Diagnostic Substances

Source: US Census Bureau

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## Resources

### Kalorama Information

*Cell-Free DNA (cfDNA) Markets*, December 2016

### The Freedonia Group

#### Freedonia Industry Studies

*World Medical Disposables*, August 2016

*In Vitro Diagnostic (IVD) Packaging*, June 2016

*Infection Prevention Products & Services*, April 2016

*Disposable Medical Supplies*, February 2016

*Dental Products & Materials*, January 2016

*Drug Delivery Products*, December 2015

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*Medical Equipment & Supplies: United States*

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*World Infusion Pumps*

*World Medical Devices*

*World Needle-Free Drug Delivery Systems*

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### Trade Publications

*Drug Development & Delivery*

*Infection Control Today*

*Medical Design Technology*

*Medical Device & Diagnostic Industry*

*Medical Product Manufacturing News*

*Modern Healthcare*

### Agencies & Associations

American Cancer Society

Centers for Disease Control and Prevention

China Food and Drug Administration

Medical Device Manufacturers Association

National Cancer Institute

National Institutes of Health

United States Food and Drug Administration

World Health Organization