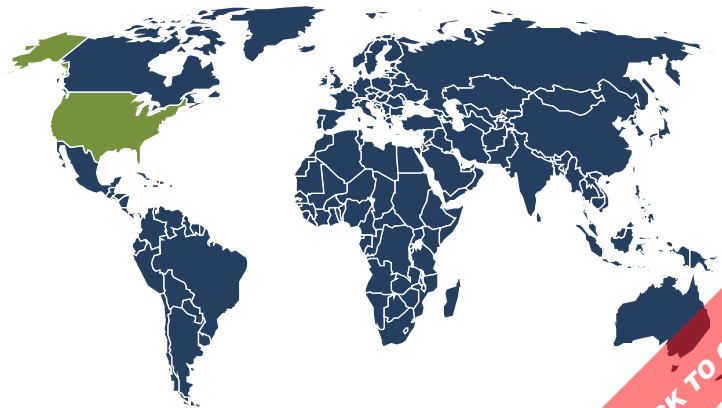


Freedonia Focus Reports
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In Vitro Diagnostic Packaging: United States

June 2016



Highlights

Market Environment

Historical Trends | Key Economic Indicators | IVD Technology
IVD Product Shipments Outlook | Regulatory Factors

Segmentation and Forecasts

Product Group | Applications

Industry Structure

Industry Composition and Characteristics | Companies Cited

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ABOUT THIS REPORT

Scope & Method

This report forecasts US in vitro diagnostic (IVD) packaging demand and shipments in US dollars at the manufacturers' level to 2020. Total demand is segmented by product group in terms of:

- primary IVD containers
- IVD packaging accessories.

Total demand is also segmented by application as follows:

- clinical chemistry
- immunoassays
- blood testing
- molecular diagnostics
- microbiology
- cellular analysis
- anatomical pathology
- other applications such as effusion and visual inspection.

To illustrate historical trends, total demand is provided in an annual series from 2005 to 2015; shipments and the various segments are reported at five-year intervals for 2010 and 2015.

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.

Key macroeconomic indicators are also provided at five-year intervals with CAGRs for the years corresponding to other reported figures. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the [Table of Contents](#).

Sources

In Vitro Diagnostic Packaging: United States (FF30060) is based on [In Vitro Diagnostic \(IVD\) Packaging](#), a comprehensive industry study published by The Freedonia Group in

June 2016. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other industry studies by The Freedonia Group.

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

Industry Codes

The topic of this report is related to the following industry codes:

| 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 |
| 326160 | Plastics Bottle Mfg | 3069 | Fabricated Rubber Products, NEC |
| 326199 | All Other Plastics Product Mfg | 3085 | Plastics Bottles |
| 326299 | All Other Rubber Product Mfg | 3089 | Plastics Products, NEC |
| 327213 | Glass Container Mfg | 3221 | Glass Containers |
| 332115 | Crown and Closure Mfg | 3466 | Crowns and Closures |

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RESOURCES

The Freedonia Group

www.freedoniagroup.com

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|---|-------------------------------------|
| <i>3421 In Vitro Diagnostic (IVD) Packaging</i> , June 2016 | see study contents |
| Related Industry Studies | |
| <i>3403 Infection Prevention Products & Services</i> , April 2016 | see study contents |
| <i>3378 Disposable Medical Supplies</i> , February 2016 | see study contents |
| <i>3354 Drug Delivery Products</i> , December 2015 | see study contents |
| <i>3315 Medical Imaging Products</i> , September 2015 | see study contents |
| <i>3269 World Pharmaceutical Packaging</i> , July 2015 | see study contents |
| <i>3223 Biocompatible Materials</i> , December 2014 | see study contents |
| Related Focus Reports | |
| <i>Disposable Medical Supplies: United States</i> | see report contents |
| <i>Healthcare: United States</i> | see report contents |
| <i>Infection Prevention Products & Services: United States</i> | see report contents |
| <i>Medical Equipment & Supplies: United States</i> | see report contents |
| <i>Pharmaceutical Chemicals: United States</i> | see report contents |
| <i>Pharmaceutical Packaging: United States</i> | see report contents |
| Freedonia Custom Research | see capabilities |

Trade Publications

| | |
|---|--|
| <i>FiercePharma</i> | www.fiercepharma.com |
| <i>Healthcare Packaging</i> | www.healthcarepackaging.com |
| <i>Infection Control Today</i> | www.infectioncontrolday.com |
| <i>Medical Device & Diagnostic Industry</i> | www.mddionline.com |
| <i>Medical Product Manufacturing News</i> | www.qmed.com/mpmn |
| <i>Packaging Digest</i> | www.packagingdigest.com |
| <i>Qmed</i> | www.qmed.com |
| <i>Surgical Products</i> | www.surgicalproductsmag.com |

Agencies & Associations

| | |
|--|--|
| Centers for Medicare & Medicaid Services | www.cms.gov |
| Flexible Packaging Association | www.flexpack.org |
| Institute of Packaging Professionals | www.iopp.org |
| International Organization for Standardization | www.iso.org |
| SPI: The Plastics Industry Trade Association | www.plasticsindustry.org |
| Sterilization Packaging Manufacturers Council | www.sterilizationpackaging.org |
| United States Census Bureau | www.census.gov |
| United States Food and Drug Administration | www.fda.gov |
| United States International Trade Commission | www.usitc.gov |

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