

# **Heavy Metal Testing Kits Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application, Product Type**

<https://marketpublishers.com/r/HE60CDE0640DEN.html>

Date: March 2025

Pages: 93

Price: US\$ 3,200.00 (Single User License)

ID: HE60CDE0640DEN

## **Abstracts**

### **Heavy Metal Testing Kits Market Summary**

#### **Introduction**

Heavy metal testing kits are diagnostic tools designed to detect and quantify toxic metals such as cadmium, lead, and others in various matrices, with applications in grain, fruits and vegetables, drinking water, and other uses. These kits provide rapid, accessible, and cost-effective solutions for monitoring contamination, ensuring food safety, water quality, and environmental health. The market is characterized by its emphasis on sensitivity, portability, and regulatory compliance, catering to growing concerns over heavy metal pollution in agriculture and public health. It reflects a sector driven by increasing food safety standards, environmental regulations, and consumer awareness of health risks. Key growth drivers include rising heavy metal exposure incidents, stricter global safety norms, and advancements in testing technology.

#### **Market Size and Growth Forecast**

The global heavy metal testing kits market is estimated to reach USD 0.8 to 1.2 billion in 2025, with a projected compound annual growth rate (CAGR) of 6.0% to 7.0% from 2025 to 2030. This growth is propelled by expanding food safety testing and environmental monitoring needs.

#### **Regional Analysis**

**North America:** Holds 25-30% market share, with a growth rate of 5-6%. The United States leads with drinking water and food safety testing, while Canada focuses on grains.

**Europe:** Accounts for 20-25% market share, with a growth rate of 6-7%. Germany and the UK drive demand with stringent food and water regulations.

Asia Pacific: Represents 35-40% market share, with a growth rate of 7-8%. China and India dominate due to agricultural contamination concerns and water quality issues.

Rest of the World: Holds 10-15% market share, growing at 6-7%, with Brazil leading due to grain export safety requirements.

Trends in Asia Pacific favor affordable kits, while Europe emphasizes high-sensitivity solutions.

### Application Analysis

Grain applications grow at 6-7%, driven by export safety needs, with trends toward cadmium detection in cereals. Fruits and vegetables grow at 7-8%, fueled by consumer safety demands, with trends toward lead testing in produce. Drinking water grows at 6-7%, supporting public health, with trends toward portable kits for rapid testing. Others, like soil testing, grow at 5-6%, with steady demand in environmental monitoring.

### Product Type Analysis

Cadmium detection grows at 6-7%, valued for grain safety, with trends toward high-sensitivity kits for regulatory compliance. Lead detection grows at 7-8%, driven by water and produce testing, with trends toward user-friendly designs. Others, like mercury detection, grow at 5-6%, with trends toward multi-metal kits for broader use.

### Key Market Players

Fisher Scientific: Based in Waltham, Massachusetts, USA, Fisher Scientific offers a wide range of heavy metal testing kits. It provides high-precision solutions for drinking water and food safety, serving North American labs and regulators with reliable technology.

myLAB Box: Headquartered in Los Angeles, California, USA, myLAB Box focuses on at-home testing kits. It offers lead and cadmium detection for water and food, targeting consumers with accessible, user-friendly products.

Everlywell: Operating from Austin, Texas, USA, Everlywell specializes in consumer health testing. It provides lead testing kits for drinking water, serving North American households with convenient, accurate solutions.

Spex CertiPrep: Based in Metuchen, New Jersey, USA, Spex CertiPrep excels in analytical standards. It offers cadmium and lead detection kits for grains and water, catering to labs with high-quality, certified products.

Guangdong Huankai Microbial Sci.&Tech: Located in Guangzhou, China, Huankai focuses on microbial and chemical testing. It provides affordable kits for fruits and vegetables, serving Asia Pacific markets with practical solutions.

Shandong Meizheng Bio-Tech: Headquartered in Shandong, China, Meizheng specializes in food safety testing. It offers cadmium and lead kits for grains, targeting

Asian exporters with rapid, reliable technology.

Han-ke: Operating from China, Han-ke provides heavy metal testing solutions. It serves fruits and vegetables testing in Asia, offering cost-effective kits for agricultural use.

Hangzhou Lohand Biological Technology: Based in Hangzhou, China, Lohand focuses on environmental testing. It provides lead detection kits for drinking water, serving Asian markets with portable, efficient designs.

Femdetection: Operating from China, Femdetection offers specialized testing kits. It targets cadmium detection in grains, providing Asia Pacific users with sensitive, affordable solutions.

Houshengzhengde: Based in China, Houshengzhengde provides heavy metal testing kits. It serves fruits and water applications in Asia, offering practical, scalable technology.

Fuzhou Jiachen Biotechnology: Located in Fuzhou, China, Jiachen specializes in bio-testing. It provides lead and cadmium kits for food safety, targeting Asian markets with reliable, cost-effective products.

These companies compete on sensitivity, affordability, and ease of use, driving the market with innovative solutions.

### Porter's Five Forces Analysis

The threat of new entrants is moderate, requiring technical expertise and regulatory approval, though low-cost kits ease entry. Substitutes are medium, with lab testing competing, but kits offer convenience. Buyer power is medium, with consumers negotiating prices, but safety needs sustain demand. Supplier power is moderate, with reagents widely available. Rivalry is high, with differentiation through accuracy and portability.

### Market Opportunities and Challenges

#### Opportunities

Rising food safety regulations boosting demand.

Growing consumer awareness enhancing market appeal.

Advancements in portable testing driving adoption.

#### Challenges

High sensitivity requirements increasing costs.

Regulatory complexity limiting market entry.

Competition from lab-based testing constraining growth.

### Growth Trend Analysis

In 2021, the National Poisoning Data System (NPDS) reported 8,884 heavy metal exposures, with 2,787 in children under 6 and 4,014 in adults over 19, highlighting

persistent contamination risks. This drives demand for heavy metal testing kits, particularly for drinking water and food safety, with a 6-7% CAGR. Asia Pacific leads due to agricultural concerns, while North America and Europe focus on regulatory compliance, supporting steady growth despite cost and complexity challenges.

## Contents

### **CHAPTER 1 EXECUTIVE SUMMARY**

### **CHAPTER 2 ABBREVIATION AND ACRONYMS**

### **CHAPTER 3 PREFACE**

3.1 Research Scope

3.2 Research Sources

3.2.1 Data Sources

3.2.2 Assumptions

3.3 Research Method

Chapter Four Market Landscape

4.1 Market Overview

4.2 Classification/Types

4.3 Application/End Users

### **CHAPTER 5 MARKET TREND ANALYSIS**

5.1 Introduction

5.2 Drivers

5.3 Restraints

5.4 Opportunities

5.5 Threats

### **CHAPTER 6 INDUSTRY CHAIN ANALYSIS**

6.1 Upstream/Suppliers Analysis

6.2 Heavy Metal Testing Kits Analysis

6.2.1 Technology Analysis

6.2.2 Cost Analysis

6.2.3 Market Channel Analysis

6.3 Downstream Buyers/End Users

### **CHAPTER 7 LATEST MARKET DYNAMICS**

7.1 Latest News

7.2 Merger and Acquisition

7.3 Planned/Future Project

7.4 Policy Dynamics

## **CHAPTER 8 HISTORICAL AND FORECAST HEAVY METAL TESTING KITS MARKET IN NORTH AMERICA (2020-2030)**

8.1 Heavy Metal Testing Kits Market Size

8.2 Heavy Metal Testing Kits Market by End Use

8.3 Competition by Players/Suppliers

8.4 Heavy Metal Testing Kits Market Size by Type

8.5 Key Countries Analysis

8.5.1 United States

8.5.2 Canada

8.5.3 Mexico

## **CHAPTER 9 HISTORICAL AND FORECAST HEAVY METAL TESTING KITS MARKET IN SOUTH AMERICA (2020-2030)**

9.1 Heavy Metal Testing Kits Market Size

9.2 Heavy Metal Testing Kits Market by End Use

9.3 Competition by Players/Suppliers

9.4 Heavy Metal Testing Kits Market Size by Type

9.5 Key Countries Analysis

9.5.1 Brazil

9.5.2 Argentina

9.5.3 Chile

9.5.4 Peru

## **CHAPTER 10 HISTORICAL AND FORECAST HEAVY METAL TESTING KITS MARKET IN ASIA & PACIFIC (2020-2030)**

10.1 Heavy Metal Testing Kits Market Size

10.2 Heavy Metal Testing Kits Market by End Use

10.3 Competition by Players/Suppliers

10.4 Heavy Metal Testing Kits Market Size by Type

10.5 Key Countries Analysis

10.5.1 China

10.5.2 India

10.5.3 Japan

- 10.5.4 South Korea
- 10.5.5 Southeast Asia
- 10.5.6 Australia

## **CHAPTER 11 HISTORICAL AND FORECAST HEAVY METAL TESTING KITS MARKET IN EUROPE (2020-2030)**

- 11.1 Heavy Metal Testing Kits Market Size
- 11.2 Heavy Metal Testing Kits Market by End Use
- 11.3 Competition by Players/Suppliers
- 11.4 Heavy Metal Testing Kits Market Size by Type
- 11.5 Key Countries Analysis
  - 11.5.1 Germany
  - 11.5.2 France
  - 11.5.3 United Kingdom
  - 11.5.4 Italy
  - 11.5.5 Spain
  - 11.5.6 Belgium
  - 11.5.7 Netherlands
  - 11.5.8 Austria
  - 11.5.9 Poland
  - 11.5.10 Russia

## **CHAPTER 12 HISTORICAL AND FORECAST HEAVY METAL TESTING KITS MARKET IN MEA (2020-2030)**

- 12.1 Heavy Metal Testing Kits Market Size
- 12.2 Heavy Metal Testing Kits Market by End Use
- 12.3 Competition by Players/Suppliers
- 12.4 Heavy Metal Testing Kits Market Size by Type
- 12.5 Key Countries Analysis
  - 12.5.1 Egypt
  - 12.5.2 Israel
  - 12.5.3 South Africa
  - 12.5.4 Gulf Cooperation Council Countries
  - 12.5.5 Turkey

## **CHAPTER 13 SUMMARY FOR GLOBAL HEAVY METAL TESTING KITS MARKET (2020-2025)**

- 13.1 Heavy Metal Testing Kits Market Size
- 13.2 Heavy Metal Testing Kits Market by End Use
- 13.3 Competition by Players/Suppliers
- 13.4 Heavy Metal Testing Kits Market Size by Type

## **CHAPTER 14 GLOBAL HEAVY METAL TESTING KITS MARKET FORECAST (2025-2030)**

- 14.1 Heavy Metal Testing Kits Market Size Forecast
- 14.2 Heavy Metal Testing Kits Application Forecast
- 14.3 Competition by Players/Suppliers
- 14.4 Heavy Metal Testing Kits Type Forecast

## **CHAPTER 15 ANALYSIS OF GLOBAL KEY VENDORS**

- 15.1 Fisher Scientific
  - 15.1.1 Company Profile
  - 15.1.2 Main Business and Heavy Metal Testing Kits Information
  - 15.1.3 SWOT Analysis of Fisher Scientific
  - 15.1.4 Fisher Scientific Heavy Metal Testing Kits Revenue, Gross Margin and Market Share (2020-2025)
- 15.2 myLAB Box
  - 15.2.1 Company Profile
  - 15.2.2 Main Business and Heavy Metal Testing Kits Information
  - 15.2.3 SWOT Analysis of myLAB Box
  - 15.2.4 myLAB Box Heavy Metal Testing Kits Revenue, Gross Margin and Market Share (2020-2025)
- 15.3 Everlywell
  - 15.3.1 Company Profile
  - 15.3.2 Main Business and Heavy Metal Testing Kits Information
  - 15.3.3 SWOT Analysis of Everlywell
  - 15.3.4 Everlywell Heavy Metal Testing Kits Revenue, Gross Margin and Market Share (2020-2025)
- 15.4 Spex CertiPrep
  - 15.4.1 Company Profile
  - 15.4.2 Main Business and Heavy Metal Testing Kits Information
  - 15.4.3 SWOT Analysis of Spex CertiPrep
  - 15.4.4 Spex CertiPrep Heavy Metal Testing Kits Revenue, Gross Margin and Market



## Share (2020-2025)

### 15.5 Guangdong Huankai Microbial Sci.&Tech

#### 15.5.1 Company Profile

#### 15.5.2 Main Business and Heavy Metal Testing Kits Information

#### 15.5.3 SWOT Analysis of Guangdong Huankai Microbial Sci.&Tech

#### 15.5.4 Guangdong Huankai Microbial Sci.&Tech Heavy Metal Testing Kits Revenue, Gross Margin and Market Share (2020-2025)

### 15.6 Shandong Meizheng Bio-Tech

#### 15.6.1 Company Profile

#### 15.6.2 Main Business and Heavy Metal Testing Kits Information

#### 15.6.3 SWOT Analysis of Shandong Meizheng Bio-Tech

#### 15.6.4 Shandong Meizheng Bio-Tech Heavy Metal Testing Kits Revenue, Gross Margin and Market Share (2020-2025)

### 15.7 Han-ke

#### 15.7.1 Company Profile

#### 15.7.2 Main Business and Heavy Metal Testing Kits Information

#### 15.7.3 SWOT Analysis of Han-ke

#### 15.7.4 Han-ke Heavy Metal Testing Kits Revenue, Gross Margin and Market Share (2020-2025)

Please ask for sample pages for full companies list

## Tables and Figures

### Table Abbreviation and Acronyms

### Table Research Scope of Heavy Metal Testing Kits Report

### Table Data Sources of Heavy Metal Testing Kits Report

### Table Major Assumptions of Heavy Metal Testing Kits Report

### Figure Market Size Estimated Method

### Figure Major Forecasting Factors

### Figure Heavy Metal Testing Kits Picture

### Table Heavy Metal Testing Kits Classification

### Table Heavy Metal Testing Kits Applications

### Table Drivers of Heavy Metal Testing Kits Market

### Table Restraints of Heavy Metal Testing Kits Market

### Table Opportunities of Heavy Metal Testing Kits Market

### Table Threats of Heavy Metal Testing Kits Market

### Table Covid-19 Impact For Heavy Metal Testing Kits Market

### Table Raw Materials Suppliers

### Table Different Production Methods of Heavy Metal Testing Kits

### Table Cost Structure Analysis of Heavy Metal Testing Kits

### Table Key End Users

Table Latest News of Heavy Metal Testing Kits Market

Table Merger and Acquisition

Table Planned/Future Project of Heavy Metal Testing Kits Market

Table Policy of Heavy Metal Testing Kits Market

Table 2020-2030 North America Heavy Metal Testing Kits Market Size

Figure 2020-2030 North America Heavy Metal Testing Kits Market Size and CAGR

Table 2020-2030 North America Heavy Metal Testing Kits Market Size by Application

Table 2020-2025 North America Heavy Metal Testing Kits Key Players Revenue

Table 2020-2025 North America Heavy Metal Testing Kits Key Players Market Share

Table 2020-2030 North America Heavy Metal Testing Kits Market Size by Type

Table 2020-2030 United States Heavy Metal Testing Kits Market Size

Table 2020-2030 Canada Heavy Metal Testing Kits Market Size

Table 2020-2030 Mexico Heavy Metal Testing Kits Market Size

Table 2020-2030 South America Heavy Metal Testing Kits Market Size

Figure 2020-2030 South America Heavy Metal Testing Kits Market Size and CAGR

Table 2020-2030 South America Heavy Metal Testing Kits Market Size by Application

Table 2020-2025 South America Heavy Metal Testing Kits Key Players Revenue

Table 2020-2025 South America Heavy Metal Testing Kits Key Players Market Share

Table 2020-2030 South America Heavy Metal Testing Kits Market Size by Type

Table 2020-2030 Brazil Heavy Metal Testing Kits Market Size

Table 2020-2030 Argentina Heavy Metal Testing Kits Market Size

Table 2020-2030 Chile Heavy Metal Testing Kits Market Size

Table 2020-2030 Peru Heavy Metal Testing Kits Market Size

Table 2020-2030 Asia & Pacific Heavy Metal Testing Kits Market Size

Figure 2020-2030 Asia & Pacific Heavy Metal Testing Kits Market Size and CAGR

Table 2020-2030 Asia & Pacific Heavy Metal Testing Kits Market Size by Application

Table 2020-2025 Asia & Pacific Heavy Metal Testing Kits Key Players Revenue

Table 2020-2025 Asia & Pacific Heavy Metal Testing Kits Key Players Market Share

Table 2020-2030 Asia & Pacific Heavy Metal Testing Kits Market Size by Type

Table 2020-2030 China Heavy Metal Testing Kits Market Size

Table 2020-2030 India Heavy Metal Testing Kits Market Size

Table 2020-2030 Japan Heavy Metal Testing Kits Market Size

Table 2020-2030 South Korea Heavy Metal Testing Kits Market Size

Table 2020-2030 Southeast Asia Heavy Metal Testing Kits Market Size

Table 2020-2030 Australia Heavy Metal Testing Kits Market Size

Table 2020-2030 Europe Heavy Metal Testing Kits Market Size

Figure 2020-2030 Europe Heavy Metal Testing Kits Market Size and CAGR

Table 2020-2030 Europe Heavy Metal Testing Kits Market Size by Application

Table 2020-2025 Europe Heavy Metal Testing Kits Key Players Revenue

Table 2020-2025 Europe Heavy Metal Testing Kits Key Players Market Share
Table 2020-2030 Europe Heavy Metal Testing Kits Market Size by Type
Table 2020-2030 Germany Heavy Metal Testing Kits Market Size
Table 2020-2030 France Heavy Metal Testing Kits Market Size
Table 2020-2030 United Kingdom Heavy Metal Testing Kits Market Size
Table 2020-2030 Italy Heavy Metal Testing Kits Market Size
Table 2020-2030 Spain Heavy Metal Testing Kits Market Size
Table 2020-2030 Belgium Heavy Metal Testing Kits Market Size
Table 2020-2030 Netherlands Heavy Metal Testing Kits Market Size
Table 2020-2030 Austria Heavy Metal Testing Kits Market Size
Table 2020-2030 Poland Heavy Metal Testing Kits Market Size
Table 2020-2030 Russia Heavy Metal Testing Kits Market Size
Table 2020-2030 MEA Heavy Metal Testing Kits Market Size
Figure 2020-2030 MEA Heavy Metal Testing Kits Market Size and CAGR
Table 2020-2030 MEA Heavy Metal Testing Kits Market Size by Application
Table 2020-2025 MEA Heavy Metal Testing Kits Key Players Revenue
Table 2020-2025 MEA Heavy Metal Testing Kits Key Players Market Share
Table 2020-2030 MEA Heavy Metal Testing Kits Market Size by Type
Table 2020-2030 Egypt Heavy Metal Testing Kits Market Size
Table 2020-2030 Israel Heavy Metal Testing Kits Market Size
Table 2020-2030 South Africa Heavy Metal Testing Kits Market Size
Table 2020-2030 Gulf Cooperation Council Countries Heavy Metal Testing Kits Market Size
Table 2020-2030 Turkey Heavy Metal Testing Kits Market Size
Table 2020-2025 Global Heavy Metal Testing Kits Market Size by Region
Table 2020-2025 Global Heavy Metal Testing Kits Market Size Share by Region
Table 2020-2025 Global Heavy Metal Testing Kits Market Size by Application
Table 2020-2025 Global Heavy Metal Testing Kits Market Share by Application
Table 2020-2025 Global Heavy Metal Testing Kits Key Vendors Revenue
Figure 2020-2025 Global Heavy Metal Testing Kits Market Size and Growth Rate
Table 2020-2025 Global Heavy Metal Testing Kits Key Vendors Market Share
Table 2020-2025 Global Heavy Metal Testing Kits Market Size by Type
Table 2020-2025 Global Heavy Metal Testing Kits Market Share by Type
Table 2025-2030 Global Heavy Metal Testing Kits Market Size by Region
Table 2025-2030 Global Heavy Metal Testing Kits Market Size Share by Region
Table 2025-2030 Global Heavy Metal Testing Kits Market Size by Application
Table 2025-2030 Global Heavy Metal Testing Kits Market Share by Application
Table 2025-2030 Global Heavy Metal Testing Kits Key Vendors Revenue
Figure 2025-2030 Global Heavy Metal Testing Kits Market Size and Growth Rate

Table 2025-2030 Global Heavy Metal Testing Kits Key Vendors Market Share

Table 2025-2030 Global Heavy Metal Testing Kits Market Size by Type

Table 2025-2030 Heavy Metal Testing Kits Global Market Share by Type

## I would like to order

Product name: Heavy Metal Testing Kits Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application, Product Type

Product link: <https://marketpublishers.com/r/HE60CDE0640DEN.html>

Price: US\$ 3,200.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/HE60CDE0640DEN.html>