

Middle East & Africa Organoids Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Type (Stomach, Intestine, Liver, Pancreas, Lung, Brain, Kidney, and Others), Application (Developmental Biology, Disease Pathology of Infectious Disease, Regenerative Medicine, Drug Toxicity & Efficacy Testing, Drug Discovery & Personalized Medicine, and Others), and Source (Pluripotent Stem Cells and Organ-specific Adult Stem Cells)

<https://marketpublishers.com/r/MDE6F7807C1CEN.html>

Date: August 2023

Pages: 120

Price: US\$ 3,000.00 (Single User License)

ID: MDE6F7807C1CEN

Abstracts

The Middle East & Africa organoids market is expected to grow from US\$ 77.94 million in 2023 to US\$ 176.24 million by 2028. It is estimated to record a CAGR of 17.7% from 2023 to 2028.

Focus on Drug Discovery Activities to Fuel Middle East & Africa Organoids Market During Forecast Period

The growing demand for new and advanced drugs is driving the overall pace of drug discovery and research. An increasing number of clinical trials is expected to drive the demand for advanced medical technologies, including organoid models. Further, organoids in drug discovery are not limited to only cancer; they are also used in other diseases, such as cystic fibrosis, polycystic kidney disease, microcephaly, and infectious diseases of the gut and airway. For instance, organoids can summarize the properties of an organ, such as organ structure and function. Also, organoids can

restore a tissue or organ's original genetic and epigenetic state, making them suitable for gene editing. Various studies have shown positive results of combining CRISPR-Cas9 technology with organoids, which has expanded opportunities for breakthroughs in cystic fibrosis. Despite a few achievements of gene-edited organoids in some animal models, their efficiency is significantly low, and the success rate is not high. Therefore, it is crucial to research and develop a process for gene-edited organoids' safety, long-term stability, and functionality. Moreover, the COVID-19 pandemic triggered the need to develop human lung organoid models. Such innovations are expected to offer significant opportunities for the market growth during the forecast period.

Middle East & Africa Organoids Market Overview

The organoids market in the Middle East & Africa is segmented into Saudi Arabia, the UAE, South Africa, and the Rest of Middle East & Africa. The market growth is attributed to growing research on cancer and gene mutations, increasing disease modeling, and rising developments by market players offering organoids. Factors such as developing healthcare facilities, organizing conferences and meetings to share key facts associated with stem cell technologies, and increasing partnerships with foreign entities are likely to propel the market growth during the forecast period.

Middle East & Africa Organoids Market Revenue and Forecast to 2028 (US\$ Million)

Middle East & Africa Organoids Market Segmentation

The Middle East & Africa organoids market is segmented on the basis of type, application, source, and country.

Based on type, the market is segmented into stomach, intestine, liver, pancreas, lung, brain, kidney, and others. The liver segment registered the largest market share in 2023.

Based on application, the Middle East & Africa organoids market is segmented into developmental biology disease, pathology of infectious disease, regenerative medicine, drug toxicity and efficacy testing, drug discovery and personalized medicine, and others. The developmental biology disease segment held the largest market share in 2023.

Based on source, the Middle East & Africa organoids market is bifurcated into pluripotent stem cells and organ-specific adult stem cells. The pluripotent stem cells

segment held a larger market share in 2023.

Based on country, the Middle East & Africa organoids market is segmented into Saudi Arabia, South Africa, the UAE, and the Rest of Middle East & Africa. The Rest of Middle East & Africa dominated the market share in 2023.

Merck kGaA; PeproTech, Inc.; STEMCELL Technologies Inc; and Thermo Fisher Scientific Inc are the leading companies operating in the organoids market in the Middle East & Africa.

Contents

1. INTRODUCTION

- 1.1 Study Scope
- 1.2 The Insight Partners Research Report Guidance
- 1.3 Market Segmentation
 - 1.3.1 Middle East & Africa Organoids Market – by Type
 - 1.3.2 Middle East & Africa Organoids Market – by Application
 - 1.3.3 Middle East & Africa Organoids Market – by Source
 - 1.3.4 Middle East & Africa Organoids Market – by Country

2. ORGANOID MARKET – KEY TAKEAWAYS

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. MIDDLE EAST & AFRICA ORGANOID MARKET – MARKET LANDSCAPE

- 4.1 Overview
- 4.2 Middle East & Africa PEST Analysis
- 4.3 Expert's Opinion

5. MIDDLE EAST & AFRICA ORGANOID MARKET – KEY MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Increasing Demand for Tumor Modeling and Biobanking
 - 5.1.2 Growing Adoption of Personalized Drugs
 - 5.1.3 Rising Focus on Developing Alternatives for Animal Testing Models
- 5.2 Market Restraints
 - 5.2.1 Issues Related to Incorporation of Organoids into Existing Workflows
 - 5.2.2 Dearth of Skilled Professionals
- 5.3 Market Opportunities
 - 5.3.1 Focus on Drug Discovery Activities
- 5.4 Future Trends
 - 5.4.1 Combining Organoid with Organ-On-A-Chip

5.5 Impact Analysis

6. ORGANOIDS MARKET – MIDDLE EAST & AFRICA ANALYSIS

6.1 Middle East & Africa Organoids Market Revenue Forecast and Analysis

7. MIDDLE EAST & AFRICA ORGANOIDS MARKET – REVENUE AND FORECAST TO 2028 – BY TYPE

7.1 Overview

7.2 Organoids Market Revenue Share, by Type (2022 and 2028)

7.3 Stomach

7.3.1 Overview

7.3.2 Stomach: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

7.4 Intestine

7.4.1 Overview

7.4.2 Intestine: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

7.5 Liver

7.5.1 Overview

7.5.2 Liver: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

7.6 Pancreas

7.6.1 Overview

7.6.2 Pancreas: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

7.7 Lung

7.7.1 Overview

7.7.2 Lung: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

7.8 Brain

7.8.1 Overview

7.8.2 Brain: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

7.9 Kidney

7.9.1 Overview

7.9.2 Kidney: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

7.10 Others

7.10.1 Overview

7.10.2 Others: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

8. MIDDLE EAST & AFRICA ORGANOIDS MARKET – REVENUE AND FORECAST TO 2028 – BY APPLICATION

8.1 Overview

8.2 Organoids Market Revenue Share, by Application (2022 and 2028)

8.3 Developmental Biology Disease

8.3.1 Overview

8.3.2 Developmental Biology Disease: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

8.4 Pathology of Infectious Disease

8.4.1 Overview

8.4.2 Pathology of Infectious Disease: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

8.5 Regenerative Medicine

8.5.1 Overview

8.5.2 Regenerative Medicine: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

8.6 Drug Toxicity and Efficacy Testing

8.6.1 Overview

8.6.2 Drug Toxicity and Efficacy Testing: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

8.7 Drug Discovery and Personalized Medicine

8.7.1 Overview

8.7.2 Drug Discovery and Personalized Medicine: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

8.8 Others

8.8.1 Overview

8.8.2 Others: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

9. MIDDLE EAST & AFRICA ORGANOIDS MARKET – REVENUE AND FORECAST TO 2028 – BY SOURCE

9.1 Overview

9.2 Organoids Market Revenue Share, by Source (2022 and 2028)

9.3 Pluripotent Stem Cells

9.3.1 Overview

9.3.2 Pluripotent Stem Cells: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

9.4 Organ-specific Adult Stem Cells

9.4.1 Overview

9.4.2 Organ-specific Adult Stem Cells: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

10. MIDDLE EAST & AFRICA ORGANOIDS MARKET – REVENUE AND FORECAST TO 2028 – COUNTRY ANALYSIS

10.1 Overview

10.1.1 Middle East & Africa Organoids Market, by Country, 2022 & 2028 (%)

10.1.1.1 Saudi Arabia: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.1.1 Overview

10.1.1.1.2 Saudi Arabia: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.1.3 Saudi Arabia: Organoids Market, by Type, 2020–2028 (US\$ Million)

10.1.1.1.4 Saudi Arabia: Organoids Market, by Application, 2020-2028 (US\$ Million)

10.1.1.1.5 Saudi Arabia: Organoids Market, by Source 2020-2028 (US\$ Million)

10.1.1.2 UAE: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.2.1 Overview

10.1.1.2.2 UAE: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.2.3 UAE: Organoids Market, by Type, 2020–2028 (US\$ Million)

10.1.1.2.4 UAE: Organoids Market, by Application, 2020-2028 (US\$ Million)

10.1.1.2.5 UAE: Organoids Market, by Source 2020-2028 (US\$ Million)

10.1.1.3 South Africa: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.3.1 Overview

10.1.1.3.2 South Africa: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.3.3 South Africa: Organoids Market, by Type, 2020–2028 (US\$ Million)

10.1.1.3.4 South Africa: Organoids Market, by Application, 2020-2028 (US\$ Million)

10.1.1.3.5 South Africa: Organoids Market, by Source 2020-2028 (US\$ Million)

10.1.1.4 Rest of Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.4.1 Overview

10.1.1.4.2 Rest of Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.4.3 Rest of Middle East & Africa Organoids Market, by Type, 2020–2028 (US\$ Million)

10.1.1.4.4 Rest of Middle East & Africa Organoids Market, by Application, 2020-2028 (US\$ Million)

10.1.1.4.5 Rest of Middle East & Africa Organoids Market, by Source 2020-2028 (US\$ Million)

11. INDUSTRY LANDSCAPE

11.1 Overview

11.2 Growth Strategies Done by the Companies in the Market, (%)

11.3 Organic Developments

11.3.1 Overview

11.4 Inorganic Developments

11.4.1 Overview

12. COMPANY PROFILES

12.1 STEMCELL Technologies Inc.

12.1.1 Key Facts

12.1.2 Business Description

12.1.3 Products and Services

12.1.4 Financial Overview

12.1.5 SWOT Analysis

12.1.6 Key Developments

12.2 PeproTech, Inc

12.2.1 Key Facts

12.2.2 Business Description

12.2.3 Products and Services

12.2.4 Financial Overview

12.2.5 SWOT Analysis

12.2.6 Key Developments

12.3 Thermo Fisher Scientific Inc

12.3.1 Key Facts

12.3.2 Business Description

12.3.3 Products and Services

12.3.4 Financial Overview

12.3.5 SWOT Analysis

12.3.6 Key Developments

12.4 Merck KGaA

12.4.1 Key Facts

12.4.2 Business Description

12.4.3 Products and Services

12.4.4 Financial Overview

12.4.5 SWOT Analysis

12.4.6 Key Developments

13. APPENDIX

13.1 About The Insight Partners

13.2 Glossary of Terms

List Of Tables

LIST OF TABLES

Table 1. Saudi Arabia Organoids Market, by Type – Revenue and Forecast to 2028 (US\$ Million)

Table 2. Saudi Arabia Organoids Market, by Application– Revenue and Forecast to 2028 (US\$ Million)

Table 3. Saudi Arabia Organoids Market, by Source – Revenue and Forecast to 2028 (US\$ Million)

Table 4. UAE Organoids Market, by Type – Revenue and Forecast to 2028 (US\$ Million)

Table 5. UAE Organoids Market, by Application– Revenue and Forecast to 2028 (US\$ Million)

Table 6. UAE Organoids Market, by Source – Revenue and Forecast to 2028 (US\$ Million)

Table 7. South Africa Organoids Market, by Type – Revenue and Forecast to 2028 (US\$ Million)

Table 8. South Africa Organoids Market, by Application– Revenue and Forecast to 2028 (US\$ Million)

Table 9. South Africa Organoids Market, by Source – Revenue and Forecast to 2028 (US\$ Million)

Table 10. Rest of Middle East & Africa Organoids Market, by Type – Revenue and Forecast to 2028 (US\$ Million)

Table 11. Rest of Middle East & Africa Organoids Market, by Application– Revenue and Forecast to 2028 (US\$ Million)

Table 12. Rest of Middle East & Africa Organoids Market, by Source – Revenue and Forecast to 2028 (US\$ Million)

Table 13. Organic Developments Done by Companies

Table 14. Inorganic Developments Done by Companies

Table 15. Glossary of Terms

List Of Figures

LIST OF FIGURES

- Figure 1. Middle East & Africa Organoids Market Segmentation
- Figure 2. Middle East & Africa Organoids Market by Country
- Figure 3. Middle East & Africa Organoids Market Overview
- Figure 4. Intestine is The Largest Share of Type Segment in Middle East & Africa Organoids Market
- Figure 5. Saudi Arabia Expected to Show Remarkable Growth During Forecast Period
- Figure 6. Middle East & Africa: PEST Analysis
- Figure 7. Middle East & Africa Experts' Opinion
- Figure 8. Middle East & Africa Organoids Market Impact Analysis of Drivers and Restraints
- Figure 9. Middle East & Africa Organoids Market – Revenue Forecast and Analysis – 2020–2028
- Figure 10. Middle East & Africa Organoids Market Revenue Share, by Type (2022 and 2028)
- Figure 11. Stomach: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 12. Intestine: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 13. Liver: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 14. Pancreas: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 15. Lung: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 16. Brain: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 17. Kidney: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 18. Others: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 19. Middle East & Africa Organoids Market Revenue Share, by Application (2022 and 2028)
- Figure 20. Developmental Biology Disease: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 21. Pathology of Infectious Disease: Middle East & Africa Organoids Market –

Revenue and Forecast to 2028 (US\$ Million)

Figure 22. Regenerative Medicine: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 23. Drug Toxicity and Efficacy Testing: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 24. Drug Discovery and Personalized Medicine: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 25. Others: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 26. Middle East & Africa Organoids Market Revenue Share, by Source (2022 and 2028)

Figure 27. Pluripotent Stem Cells: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 28. Organ-specific Adult Stem Cells: Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 29. Middle East & Africa Organoids Market, by Key Country – Revenue (2022) (US\$ Million)

Figure 30. Middle East & Africa Organoids Market, by Country, 2022 & 2028 (%)

Figure 31. Saudi Arabia: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 32. UAE: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 33. South Africa: Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 34. Rest of Middle East & Africa Organoids Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 35. Growth Strategies Done by the Companies in the Market, (%)

I would like to order

Product name: Middle East & Africa Organoids Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Type (Stomach, Intestine, Liver, Pancreas, Lung, Brain, Kidney, and Others), Application (Developmental Biology, Disease Pathology of Infectious Disease, Regenerative Medicine, Drug Toxicity & Efficacy Testing, Drug Discovery & Personalized Medicine, and Others), and Source (Pluripotent Stem Cells and Organ-specific Adult Stem Cells)

Product link: <https://marketpublishers.com/r/MDE6F7807C1CEN.html>

Price: US\$ 3,000.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/MDE6F7807C1CEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms

& Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970