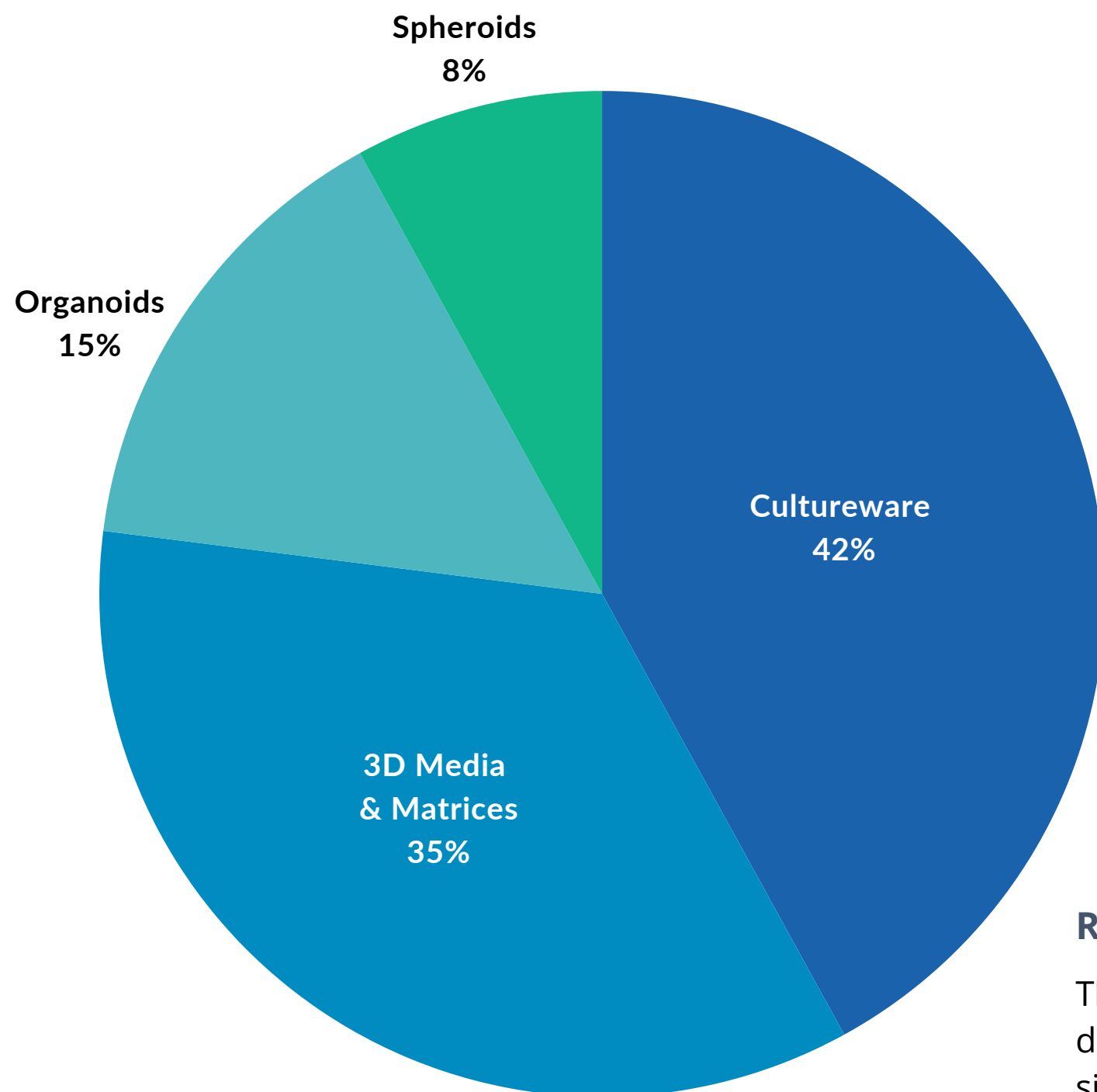


3D Cell Culture Formats

3D Cell Culture Demand by Format, 2023



- In 2023, the 3D cell culture market showed strength with demand driven by cultureware and 3D media and matrices. Cultureware, which includes tools like plates and flasks, lead the market playing a crucial role in increased research of complex biological environments compared to traditional methods.
- The demand for media and matrices remained strong as these products are essential for maintaining and nurturing cell cultures for consistent usage required for successful experimentation and research.
- Organoids continued to be a significant driver of growth, offering new possibilities for research and therapeutic development due to their ability to model complex tissues. They gained traction in personalized medicine and drug discovery and continue to grow in the research development sector.
- Spheroids, though used for simpler models, also maintained steady growth due to their applications in cancer research and disease modeling.

3D Cell Culture Demand Reflects the Shift Toward Advanced Research Models:

Growing adoption of **New Approach Methodologies (NAMs)**—including organoids, microphysiological systems, and advanced 3D cell culture models—is expected to increase demand for specialized cell culture consumables that support more predictive, human-relevant research environments.

Related Research | Global Laboratory Consumables Market 2024

These insights are drawn from SDi's **Global Laboratory Consumables Market 2024** report, which analyzes demand trends across cell culture tools, media, matrices, and emerging 3D model systems, with market sizing, growth forecasts, and adoption trends shaping laboratory research.

Cell Culture Products