

In-vitro Fertilization Microscopes Market Size, Share & Trends Analysis Report By End Use (Clinical, Academic Research), By Region (North America, Europe, APAC, LATAM, MEA), And Segment Forecasts, 2022 - 2030

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Abstracts

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In-vitro Fertilization Microscopes Market Growth & Trends

The global in-vitro fertilization microscopes market size is expected to reach USD 193.2 million by 2030, according to a new report by Grand View Research. The market is expected to expand at a CAGR of 8.4% from 2022 to 2030. The market has witnessed advancements in microscopes and microscope-related equipment for use in in-vitro fertilization. Artificial Intelligence (AI), embryo assessment, and sperm selection are some of the applications targeted for innovation.

Manufacturers are providing upright microscopes, digital microscope cameras, and software to view images together as a sperm analysis system to provide the complete solution for semen analysis. Moreover, as sperm analysis can be better studied by maintaining a certain temperature of the sample, manufacturers are coupling the use of such devices along with an upright microscope. For instance, PROiSER provides ISAS HEAT, a slide warmer, compatible with its UB200i upright microscope used along with Computer Assisted Semen Analysis (CASA) systems.

The demand for In-vitro Fertilization (IVF) procedures is now increasing due to the relaxation of traveling restrictions and supporting government guidelines. For instance, the American Society of Reproductive Medicine (ASRM) announced that there is a need

to ensure reproductive care with maximal safety as we will have to continue to live with a COVID-19.

In-vitro Fertilization Microscopes Market Report Highlights

Based on the end-use, the clinical segment dominated the market in 2021 in terms of revenue. IVF clinics provide a range of services, including healthy oocyte identification, semen analysis, ICSI, embryo monitoring, and freezing and storage of embryos

The clinical segment is also expected to witness the fastest growth from 2022 to 2030 due to the increasing adoption of IVF treatment. Moreover, manufacturers are developing innovative products with integrated technologies, such as Artificial Intelligence (AI)

Europe held the largest share in terms of revenue in 2021 due to factors such as the high cost of IVF treatment and the availability of reimbursement. The Asia Pacific region is expected to witness the fastest growth from 2022 to 2030 due to the initiatives to create awareness regarding IVF treatment in countries such as India

The IVF microscopes market is saturated with many prominent players. The companies operating in the market are adopting various strategies such as product innovation, market expansion, and introduction of advanced technology to stay competitive in the market

For instance, in February 2019, Opto GmbH debuted the DualStation embryo imaging microscope. The DualStation is designed to provide all the optical techniques and imaging requirements used by IVF processes into a single enclosed embryo chamber

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