Egypt In-Vitro Fertilization Market, By Technique (ICSI IVF, Non-ICSI/Traditional IVF), By Reagent (Embryo Culture Media, Cryopreservation Media, Sperm Processing Media, Ovum Processing Media), By Instrument (Imaging Systems, Incubators, Cryo-systems, Sperm Separation Systems, Ovum Aspiration Pumps, Micromanipulator Systems, Others), By Infertility (Female, Male), By Embryo (Frozen-Thawed Embryo, Fresh Embryo), By Application (Fertility Clinics, Hospitals, Others), By End-User (Locals, Expats, Medical Tourists), By Region, Competition Forecast & Opportunities, 2028

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Report description:

Egypt In-Vitro Fertilization Market is expected to grow at an impressive rate during the forecast period, 2024-2028. The major factors include increasing cases of infertility in the country, improved success rates of in-vitro fertilization, changes in regulatory bodies for promoting the treatment practices and making in-vitro fertilization a safer practice across the country.
In Egypt, In-Vitro Fertilization (IVF) technique is used to assist individuals and couples in achieving pregnancy. IVF involves the fertilization of an egg by sperm outside the human body, in a laboratory setting. The resulting embryos are then transferred to the uterus for implantation and subsequent development.. IVF is also used in some cases where one or both partners have a genetic disorder that could be passed on to their offspring.
In vitro fertilization (IVF) is a medical procedure that involves fertilizing an egg outside the body, in a laboratory dish, and then

transferring the resulting embryo back into the uterus. IVF is used as a form of assisted reproductive technology (ART) to help individuals and couples who are struggling with infertility, or who have certain medical conditions that make it difficult to conceive naturally. The IVF process involves multiple steps. In IVF, the woman undergoes a series of fertility medications to stimulate the ovaries and increase the number of eggs produced. These eggs are then retrieved from the woman's ovaries using a minor surgical procedure, and they are placed in a laboratory dish with sperm from the male partner or a donor. The eggs and sperm are allowed to fertilize in the laboratory dish, and the resulting embryos are monitored for several days to ensure that they are developing properly. After a few days, one or more embryos are selected and transferred back into the woman's uterus using a catheter. Any remaining embryos can be frozen and stored for later use. After the embryo transfer, the woman will be monitored closely for signs of pregnancy. If the procedure is successful, the embryo will implant in the uterine lining, and the woman will go on to have a normal pregnancy. If the procedure is not successful, additional IVF cycles may be attempted.

However, the success rates for IVF vary depending on a variety of factors, including the age of the woman, the cause of infertility, and the quality of the embryos to be implanted through the technique.

Rising cases of genetic disorders among the parents

The rising cases of genetic disorders among parents in Egypt have had a significant impact on the demand for in vitro fertilization (IVF) procedures. Genetic disorders are inherited conditions that can be caused by mutations in one or more genes, and they can lead to a range of health problems, including developmental delays, intellectual disabilities, and physical impairments. In some cases, genetic disorders can be life-threatening. Egypt has a relatively high incidence of genetic disorders, including thalassemia, sickle cell anemia, and cystic fibrosis. This is due in part to a high rate of consanguineous marriages, or marriages between close relatives, which can increase the likelihood of passing on inherited genetic disorders. As a result of these high rates of genetic disorders, many couples in Egypt are turning to IVF as a solution to reduce the risk of passing on genetic disorders to their children. Moreover, one of the biggest challenges in IVF is selecting the embryos that are most likely to result in a successful pregnancy. In recent years, there have been significant advances in embryo selection techniques, such as pre-implantation genetic testing (PGT), which allows for the screening of embryos for genetic abnormalities before they are implanted and thereby increases chances for successful In-vitro fertilization and thus supports the In-vitro fertilization market growth in the country.

Increasing use of frozen embryos

In earlier times, fresh embryos were generally preferred for IVF procedures. However, in recent times, there has been a shift toward using frozen embryos, which can be thawed and implanted anytime later. This approach has been shown to be just as effective as using fresh embryos, and it also allows for more flexibility in timing and scheduling. This has led to an increased chances among people to adopt in-vitro fertilization. These frozen embryos are created through IVF procedures and then stored in cryopreservation until they are needed for transfer in a later cycle. There are several benefits of using frozen embryos in IVF procedures. As a very first step frozen embryos can be thawed and transferred later, allowing for better timing and planning of IVF cycles. The frozen embryos can often result in higher success rates than fresh embryos, as they have had more time to develop and implant in the uterus. Furthermore, the frozen embryos can help to reduce the cost of IVF treatment, as couples can use embryos from a previous cycle without the need for additional ovarian stimulation or egg retrieval. Moreover, the use of frozen embryos has become increasingly common in Egypt in recent years, due to improvements in cryopreservation technology and rising awareness of the benefits of frozen embryo transfer. Also, several IVF clinics in Egypt now offer frozen embryo transfer as a suitable option for couples undergoing IVF treatment. The use of frozen embryos has helped to increase the success rates of IVF procedures in Egypt, particularly for couples who have had previous failed cycles or who have difficulty producing a sufficient number of eggs for fresh embryo transfer. Additionally, the use of frozen embryos can help to reduce the cost of IVF treatment and make the procedure more accessible to couples who may not be able to afford multiple cycles of fresh IVF and thereby creating more demand for in-vitro fertilization and improving efficiency of Egypt's in-vitro fertilization market in the coming years.

Use of artificial intelligence (AI)

Artificial intelligence (AI) is a rapidly growing field with numerous applications in various industries, including healthcare. In Egypt, AI has been increasingly used in the medical field to improve patient care and outcomes, particularly in the field of in vitro fertilization (IVF). Some clinics are now using AI and machine learning algorithms to help optimize IVF procedures. For instance, the use of AI in IVF in the use of machine learning algorithms to predict embryo viability. Traditional methods of assessing embryo viability involve visual inspection of the embryos under a microscope, which can be subjective and may result in human error.

Machine learning algorithms can analyze large datasets of embryo images and identify patterns that are associated with viable embryos. This can help clinicians select the best embryos for transfer and increase the chances of a successful pregnancy. These algorithms can analyze large amounts of data to identify patterns and predict outcomes, helping to improve success rates and reduce the number of cycles needed to achieve a successful pregnancy. Additionally, the impact of AI on IVF in Egypt has been significant with improving the accuracy of embryo selection and predicting patient outcomes, AI has helped increase the success rate of IVF and reduce the time and cost associated with the procedure. This has made IVF more accessible to a wider range of patients, including those who may not have been able to afford it in the past.

Rising Female Infertility in Egypt

The rising incidence of female infertility in Egypt has had a significant impact on the demand for in vitro fertilization (IVF) procedures in the country. Female infertility can be caused by a range of factors, including hormonal imbalances, ovulatory disorders, and structural problems in the reproductive system. There are several reasons for the increasing incidence of female infertility in Egypt. A major factor is the prevalence of early marriage and childbearing in the country, which can increase the risk of infertility due to underdeveloped reproductive system. Additionally, factors such as obesity, stress, and environmental toxins, etc. also contribute to female infertility and therefore are majorly affecting the fertility of women in the country. Due to several health issues such as polycystic ovarian syndrome (PCOS),etc. are resulting problems leading to issues related to egg implantation, and thus many women in Egypt are turning to IVF as a way to overcome infertility and start a family. IVF procedures can involve a range of techniques, including ovarian stimulation, egg retrieval, fertilization in a laboratory, and embryo transfer. These procedures can help to bypass or overcome many of the factors that contribute to female infertility. Furthermore, the rising demand for IVF procedures in Egypt has led to an expansion of IVF clinics and services in the country.

Changing IVF Laws

In 2017, the Egyptian government passed a new law governing assisted reproduction and surrogacy, which aimed to regulate the use of IVF and other forms of assisted reproduction in the country. The new law states formation of a national committee to oversee IVF clinics and ensure that they are complying with ethical and medical standards. The law also allowed for the use of donor sperm and eggs in IVF procedures, which was previously prohibited in Egypt. These changes to the IVF laws in Egypt have had a positive impact on the availability of IVF procedures for couples struggling with infertility. By allowing for the use of donor sperm and eggs, the law has expanded the pool of potential donors and increased the chances of success for IVF procedures. Additionally, the establishment of the national committee has helped to improve the quality and safety of IVF clinics in Egypt, by ensuring that they are operating under medical and ethical standards. This has further helped to increase public confidence in the safety and effectiveness of IVF procedures in the country.

However, there are still some challenges that need to be addressed to ensure that all couples in Egypt have access to IVF procedures. For example, the cost of IVF can still be prohibitively expensive for some couples, and there is a need for greater public education and awareness around infertility and IVF treatment options.

Market Segmentation

The Egypt In-Vitro Fertilization Market can be segmented based on technique, reagent, instrument, infertility, embryo, application, end user, region and competitive landscape. Based on technique, the market is segmented into ICSI IVF and Non-ICSI/Traditional IVF. Based on reagent, the market is segmented into embryo culture media, cryopreservation media, sperm processing media, and ovum processing media. Depending on the instrument, the market is fragmented into imaging systems, incubators, cryo-systems, sperm separation systems, ovum aspiration pumps, micromanipulator systems, others. Based on the infertility, the market is further divided into female and male. Depending on the embryo the market is segmented among frozen-thawed embryos and fresh embryo. Based on the application, the market is divided into fertility clinics, hospitals and others). Depending on the end-user the market is divided into locals, expats and medical tourists.

Market Players

MERCK SERONO EGYPT, FUJIFILM Irvine Scientific, COOK MEDICAL EUROPE LTD., Cooper Surgical Inc., Thermo Fisher Scientific EG, Gynetics Medical Products, etc. are some of the leading companies operating in the market.

Report Scope:

In this report, Egypt In-Vitro Fertilization Market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Egypt In-Vitro Fertilization Market, By Technique
- ICSI IVF
- Non-ICSI/Traditional IVF

Egypt In-Vitro Fertilization Market, By Reagent
- Embryo Culture Media
- Cryopreservation Media
- Sperm Processing Media
- Ovum Processing Media

Egypt In-Vitro Fertilization Market, By Instrument
Imaging Systems
Incubators
Cryo-systems
Sperm Separation Systems
Ovum Aspiration Pumps
Micromanipulator Systems
Others
Egypt In-Vitro Fertilization Market, , By Infertility
Female
Male
Egypt In-Vitro Fertilization Market, By Embryo
Frozen-Thawed Embryo
Fresh Embryo
Egypt In-Vitro Fertilization Market, By Application
Fertility Clinics
Hospitals
Others
Egypt In-Vitro Fertilization Market, By Region:
- Cairo
- Alexandria
- Giza
- Qalyubia
- Suez
- Port Said
- Rest of Egypt

Competitive Landscape
Company Profiles: Detailed analysis of the major companies present in Egypt In-Vitro Fertilization Market.
Available Customizations:
With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:
Company Information
Detailed analysis and profiling of additional market players (up to five).

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Egypt In-Vitro Fertilization Market, By Technique (ICSI IVF, Non-ICSI/Traditional IVF), By Reagent (Embryo Culture Media, Cryopreservation Media, Sperm Processing Media, Ovum Processing Media), By Instrument (Imaging Systems, Incubators, Cryo-systems, Sperm Separation Systems, Ovum Aspiration Pumps, Micromanipulator Systems, Others), By Infertility (Female, Male), By Embryo (Frozen-Thawed Embryo, Fresh Embryo), By Application (Fertility Clinics, Hospitals, Others), By End-User (Locals, Expats, Medical Tourists), By Region, Competition Forecast & Opportunities, 2028

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