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Nova IVF unveils advanced embryology lab in Pune

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Embryo quality determines at least 40-60% of the result of IVF treatment



Nearly 1 out of 6 couples face infertility across India, impacting both male and female equally. Male factor infertility now contributes to nearly 40–50% of infertility cases, while specialists are also seeing at least 30% of younger women in their late 20s and early 30s presenting with poor egg equality reflecting changing reproductive health trends. Addressing this growing need, Nova IVF Fertility, Lullanagar, Pune has launched an embryology laboratory built to internationally accepted standards.

Equipped with advanced incubators, AI-assisted sperm and embryo assessment, electronic witnessing systems and continuous air quality monitoring, the facility is designed to help in embryo development, enhance patient safety and support more precise IVF outcomes.

Advanced safety systems such as RFID-based electronic witnessing, stringent quality control and continuous monitoring help ensure every embryo is handled with the highest level of precision and safety.

The IVF Laboratory is the heart of a fertility treatment as the embryo quality determines at least 40-60% of the result of IVF treatment. The laboratory provides highly controlled conditions where eggs, sperm and embryos are nurtured during the most critical stages of treatment.

Dr PGL Lalit Kumar, Head Embryology & Scientific Director, Nova IVF Fertility, said, "In an IVF Lab, we are replicating what mother nature does in the womb. We follow all processes as per the ART Act 2021. We take utmost measures to ensure embryos are being safeguarded. To prevent the risk of gamete and embryo mix ups, we have implemented electronic witnessing system, a precision led technology in place, which monitors the gametes and embryos at all steps of IVF process. We also provide intense training to our embryologists across 120+ centers in 75+ cities in our embryology training academy in all practical aspects required in an IVF Laboratory."