



## SETTING UP AN IVF LAB

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Establishing a high-performance IVF laboratory demands meticulous planning, stringent environmental control, and evidence-based workflow design. This session will provide a concise, practice-oriented roadmap for clinicians and embryologists involved in new IVF lab development or upgrading existing facilities. We will cover the essential pillars of lab set-up: site selection and architectural layout, cleanroom engineering, air quality management, equipment selection and validation, culture systems standardization, risk-mitigation strategies, and quality management frameworks. There will be special focus on infrastructural & legal requirements (as per the ART law, 2021), equipment required & qualifications & competence of staff. Emphasis will be placed on integrating embryology-centric design principles—minimizing VOC exposure, ensuring uninterrupted power and gas supply, optimizing workflow ergonomics, and creating a robust QC-QA matrix from day one. Participants will learn how to design an IVF lab that is not only compliant and safe, but also stable, reproducible, and capable of consistently delivering high implantation-competent embryos.