



MIRI[®] M

Multiroom IVF Incubator

Introducing an extraordinary breakthrough in the world of IVF solutions – a revolution in benchtop incubation.

The Esco Medical MIRI[®] M is a multiroom IVF CO₂/O₂ gas incubator, which contains two main parts: a docking station and multiple shelves with six movable chambers per shelf. The default version of the incubator can have up to 18 separate chambers, i.e., 3 shelves (with the possibility to extend the maximum by one more shelf), each chamber being movable between the MIRI[®] M docking station. The multiroom IVF incubator features a recirculating gas system after HEPA/VOC filtration and a UV-C light to maintain clean and safe conditions for the recirculating gas. Move chambers with Petri dishes keeping them safe in a regulated environment of temperature and gas instead of moving them around to the destined work area in ambient temperature without regulated gas. The display depicts the patient's name being held in that chamber and allows for visual confirmation. The Evidence software takes care of the digital verification.



Undisturbed Incubation

The embryos are placed inside a movable incubation chamber allowing them to remain in their intended environment for longer periods compared to conventional incubators in the market.



Mobility

Improved state-of-the-art transportation of embryos where the users are given a bigger surface to hold on to, making it safer to carry by hand.



Space Saving

The docking station has the capacity to accommodate up to 18 chambers simultaneously, with the possibility of adding 1 extra shelf on top.



2-in-1 Incubation System

A 2-in-1 system that allows the user to set one chamber to open culture mode without affecting the culture conditions in the other chambers in the same docking station.



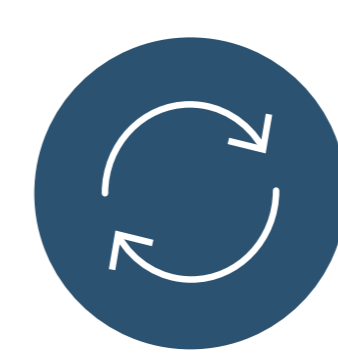
Built-in Mix-up Prevention

Build-in mix-up prevention with the chamber displaying the patient information on a graphical user interface, thus following the patient throughout the treatment.



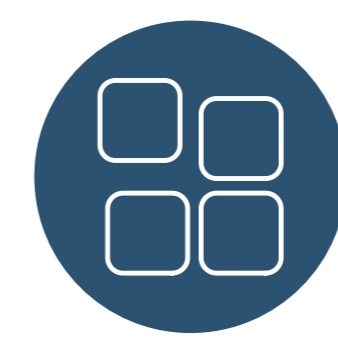
Extended QA Functionality

Simple traceability with the chamber leaving a digital footprint whenever it is docked somewhere in the Lab, eliminating the need for paperwork and manual documentation.



Revolutionary Gas System

Improved gas system performance with fast recovery times and no overshoot. It automatically regulates the number of chambers in use, and adding or removing chambers does not affect the flow in the remaining docked chambers.



Easy Retrofitting

Easy to incorporate in a running fertility clinic with the possibility of adding smaller docking units in any workbench.



Intuitive Use and Interaction

Intuitive use of colors, icons and general feedback for the users, making it easy to interact with the display on the docking station. A further possibility of connecting an external monitor to the docking station.



Undisturbed Conditions and Fast Recovery Rates

1. The undocked chamber can maintain completely stable temperature for up to 30 minutes.
2. The gas system will recover to its initial setpoints in 3 minutes after docking the chamber back to the docking station.
3. The temperature in the movable chamber will remain stable within ± 1 °C from the setpoint (even when a lid is open for 30 sec) and will recover within 1 min after the lid is closed.
4. After a cold start, it takes about 30 minutes for the entire system to reach desired gas setpoints.



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