

# Time-Lapse Incubator TLI-16/16X



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## ***Introduction***

The TLI-16 Time-Lapse Incubator offers an ideal environment for the development of gametes and embryos with minimal disturbance. It provides extensive developmental data for precise embryo evaluation and transfer strategies. Versatile and adaptable, the TLI-16 is suitable for both wet and dry incubation methods, making it a flexible choice for diverse laboratory needs.



## ***Product Features***

1. Follow the culture method you are used to: Whether you are accustomed to wet or dry incubation, TLI-16 time-lapse incubator can be flexibly adapted.
2. Comprehensive machine QC features: TLI-16 time-lapse incubator provides accesses to view and record key indicators related to the stability of embryo culture environment, including temperature, gas concentration, gas flow, gas pressure, humidity level, on/off chamber, as well as alarm logs and operation logs, and the ability to trace all data for a given petri dish.
3. High embryo capacity: Each TLI-16 time lapse incubator holds 16 TL-dishes (16 embryos per dish) in maximum, allowing total 256 oocytes or embryos to be photographed in 11 focal planes in 10 minutes, reducing the cost of treatment for a single couple.
4. Stress-free expansion: "One-to-one" set (one main unit comes with one sub-unit) is designed to increase the number of TLI-dishes while reducing the complexity of machine operation, and at the same time reduce the cost of capacity expansion, allowing more oocytes and embryos to enter the safe culture mode with minimal disturbing.

## Technical Specifications

Model	TLI-16	TLI-16X
Dimensions(W*D*H)	660*560*670mm	
Weight	65kg	60kg
Temperature control accuracy	±0.1 °C ; 0.1 °C/step	
CO2 control range and accuracy	2%-10%, ±0.2%, adjust 0.1%/step	
O2 control range and accuracy	3%-15%, ±0.1%, adjust 0.1%/step	
Gas consumption * (without extra incubator TLI-16X)	N2: 2.5L/h CO2: 0.5L/h	
Picture resolution	>3pixels per μm	
Embryo illumination	IW single red (630nm)	
Exposure time	Adjustable, < 0.03 s/frame	
Imaging Focal planes	Up to 17 focal planes	
The frequency of photoing	10 min/period (16 culturing dishes, 16 embryos per dish, 11 focal planes)	
Objective lens	20x ; Numerical aperture : 0.45	

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