



Time-lapse Incubator

Harioculture TL-16



Harioculture TL-16 connected with an expansion module (TL-16EX) (optional)



● Expanding more culturing capacities

Both incubators own a culturing space for 16 independent TL culturing dishes. The extra TL-16EX could greatly expand the capacities to decrease the cost of operation.

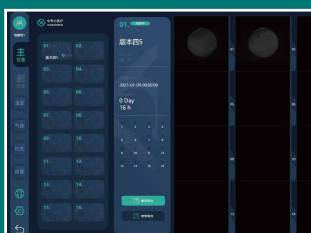


● Unique TL dish

The unique TL dish is available for 16 embryos. The TL dish adopts 2 culturing slots for group culturing of embryos which each slot could load 8 embryos.

● Culturing for dry or humidify , by purity gas or premixed gas

Dry incubation is as good as humidified incubation for Harioculture TL-16. Embryologist could use both high purity gas of N_2 & CO_2 or premixed gas for dry incubation, and they also could use premixed gas for humidified incubation.



● Limited dish moving

Multi-axis compound movement is used to reduce the dish moving frequency in order to avoid vibration during culturing .

● Excellent touch screen

18.5 -inch touch screen, more intuitively to display the status of the embryo development and the incubator running.



Technical Specification

Model	Harioculture TL-16	TL-16EX
Dimensions(W*D*H)	660*560*670mm	
Weight	65kg	60kg
Power supply	100-240VAC,50-60Hz	
Ambient temperature	18-30°C	
Gas supply pressure	1bar	
Temperature control range	35-40°C	
Temperature control accuracy	±0.1°C; 0.1°C/step	
CO ₂ control range and accuracy	2%-10%, ±0.1%, adjust 0.1%/step	
O ₂ control range and accuracy	3%-15%, ±0.1%, adjust 0.1%/step	
Gas consumption *	N ₂ : 2.5L/h CO ₂ : 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	

* without expansion module TL-16EX



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