



## LARGE CULTURE CAPACITY DESIGN

12 independent culture chambers, when any one of the chambers is opened or closed, it does not affect the other culture chambers, and each culture chamber can hold 16 embryos.

## SUPPORT TWO PATTERNS OF PREMIXED GAS AND THREE-GAS

Different air supply patterns can be selected in accordance with the use requirements of customers.



## DESIGN OF INDEPENDENT TEMPERATURE CONTROL FOR CABIN

Embryo observation software can perform manual scoring and print relevant data based on the scoring results, without the need to fill out paper scoring forms.



## SHORT INTERVAL BETWEEN SHOOTING CYCLES

The interval between the completion of all micro holes and single focal plane images in the full chamber is less than 10 minutes, and the interval between the completion of all micro holes and single focal plane images in the full chamber is less than 5 minutes. The interval between the shooting cycles can be adjusted according to actual needs. Mark the results of embryo culture and visually display the results of embryo processing.



## GOOD HUMAN-COMPUTER INTERACTION INTERFACE DESIGN

It is intuitive and easy to understand, with better user experience; the main interface is divided into six functional domains: "patient management", "state monitoring", "image correction", "system setting", "alarm record", and "parameter calibration".



## CABIN INDEPENDENT DISPLAY OF WORKING CONDITIONS

Each compartment displays gas, temperature, switch cover, and gas flow dynamic curve independently. The cabin has a heating function for the upper and lower covers, and the temperature of the upper and lower covers can be set separately to prevent the generation of condensation water; At the same time, it has an over temperature protection function. When the set temperature is exceeded, the system automatically powers off and sends an alarm signal, which ensures the temperature of embryo culture and makes it safer to cultivate.

## ALARM FUNCTION SUPPORTED WITH AND WITHOUT NETWORK

1. In case of network connection, alarm signals can be received through the mobile app.
2. In the absence of a network, the administrator can receive information via SMS on their mobile phone through telecommunications signals.

## SUPPORT APP FUNCTION WHEN CONNECTING TO THE INTERNET

Downloadable APP for remote online monitoring of incubator environment information and cultivation status.



WEGO 威高

# Time-lapse incubator

Domestic alternative time difference incubator supporting premixed gas and three gas patterns with high cost performance



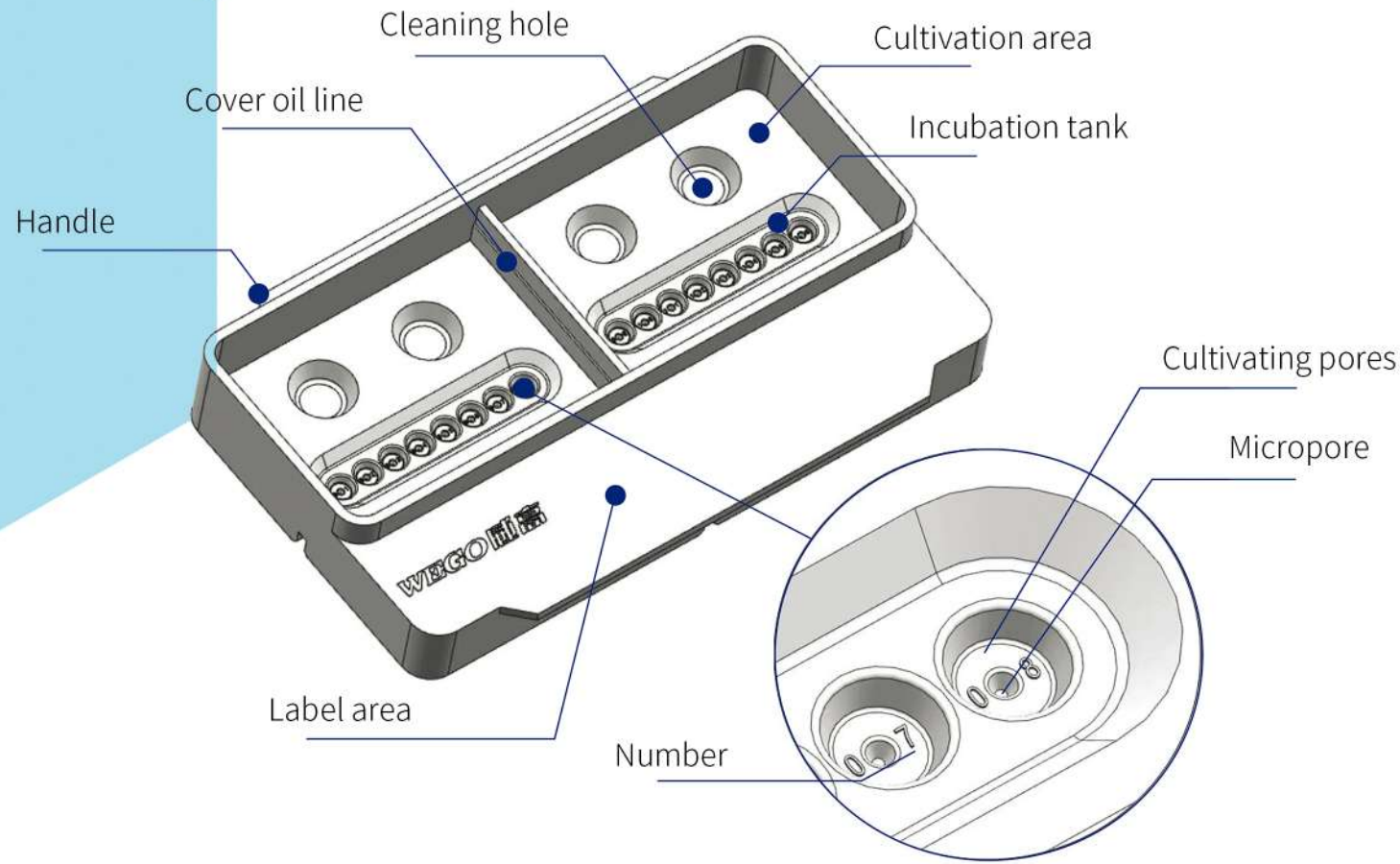
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WEGO威高

## Disposable Embryo Culture Dish

Partition Set-up and Group Culture Design  
Get better and more economical results

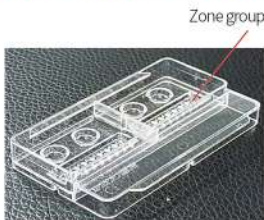


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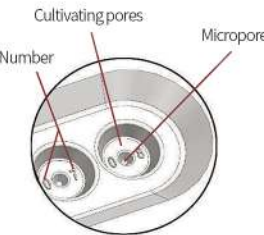
### I. Systematic detection:

By means of strict physical performance, chemical performance and biological performance test, the cultivation is safer.



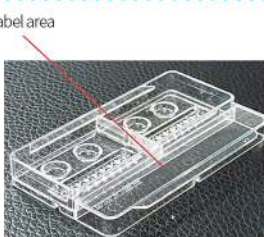
### II. The culture dish adopts the partition design, and the group culture system:

Eight embryos were cultured in each culture zone. When the number of cultured embryos is less than or equal to 8, the culture solution and the culture



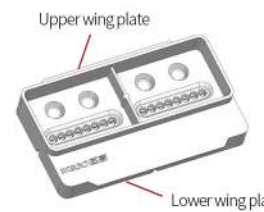
### III. Unique micropore digital identification design:

The two sides of the incubation cultivate micropores are engraved with digital markings, which can be clearly identified under the microscope to avoid visual bias and misinterpretation due to the digital markings in other



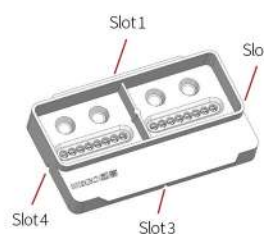
### IV. Location design of unique label area:

The label area of the culture dish is outside the culture area to reduce the impact of VOC gas generated by the label on the culture area, and the label area supports the electronic label.



### V. Unique double wing plate design:

The upper and lower wing plates of the culture dish are designed for convenient operation and taking.



### VI. Unique slot foolproof design:

4 slots on the bottom of the culture dish to prevent misplacement.

### Technical parameters of time difference incubator:

1	Capacity:	Capacit12 independent embryo culture chambers with 16 embryos per culture dish
2	Chamber Temperature:	35°C-38°C ± 0.2°C (ambient temperature 18°C-30°C)
3	Gas control:	Supports premix and three-gas (CO <sub>2</sub> , N <sub>2</sub> and air) Where in the range of CO <sub>2</sub> is 3%-8%±0.3% and the range of O <sub>2</sub> is 4%-8%±0.5%
4	Temperature recovery time after cover open/close:	<1min
5	CO <sub>2</sub> recovery time after cover open/close:	<3min
6	Number of focal planes:	11个
7	Microscope:	Phase contrast objective 20x, NA 0.4
8	Camera:	More than 3 million pixels, resolution ratio ≥3px/μm
9	Illuminant:	625nm wavelength, single illumination time < 0.02s
10	Minimum shooting interval period:	1 focal plane < 5min      11 focal planes < 10min
11	Instrument Weight:	Approximately 60kg
12	Instrument Size:	820mm × 685mm × 330mm

### Technical parameters of disposable embryo culture dish:

Material	Disposable embryo culture dishes are made of polystyrene material
Capacity	16 cultivate micropores, 4 cleaning holes
Overall Dimensions	66 m m X 42 m m X 10 m m
Cultivation Area	Double cultivation zone design, with a cover oil reference line in the middle partition. Complies with relevant standards such as GB/T14233, GB/T16886, Chinese Pharmacopoeia, YY/T1434-2016, and YY/T1688-2021. Simple and elegant, ergonomically designed. Easy to operate.

· All batches of factory products have undergone mouse embryo testing ·



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