

# Tabletop 8Chamber Incubator

# GEN-OCTO™



**IVF Gen**

*Contribution 2 next Generation*

## GEN-OCTO



8x

Chamber



individual  
Gas on/off

Top

Double  
Heating

Bottom



Touch  
Monitor

Filter

Alert



All  
Dishes

USB

Log  
Data



Safety

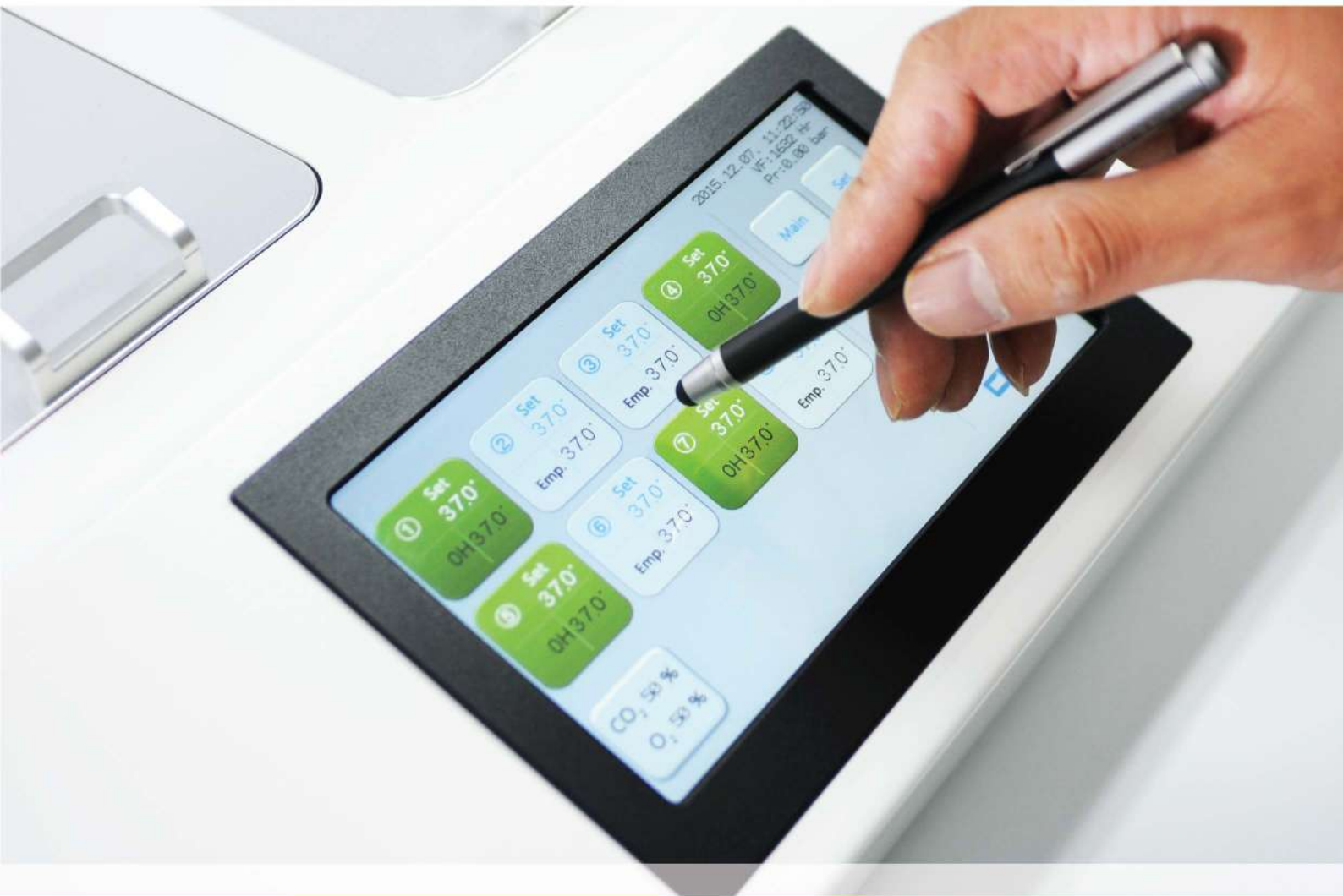
## Features

- GEN-OCTO is like a little apartment complex composed of eight individual independently working mini- incubators.
- Its eight chambers have individual on/off control for their gas supply, which minimizes the gas consumption.
- Each & individual chamber is equipped with heating elements on top as well as bottom of the chambers.
- 7" touch screen offers exact display configuration for user's convenience.
- A VOC Filter administration program is integrated to automatically alert filter replacement.
- Compatible with most of the culture dishes such as Falcon, Nunc, Multi well, Etc.
- Easy administration of log data is possible through a USB port
- Quality certified components with proven performance allow GEN-OCTO to produce optimal culture environment.

8

Eight chambers are all independently controlled.

| Gas supply | Temperature setting | Incubation time | Log data |



GEN-OCTO ensures the optimal culture environment  
for the best choice among right embryos

37.0°C

CO<sub>2</sub>

O<sub>2</sub>

Quick  
Recovery

- Quality certified components with proven performance allow GEN-OCTO the most optimal incubating environment.
- GEN-OCTO can control gas supply to each chamber individually, so minimize its gas consumption.



GEN-OCTO is equipped with an independent heating system in the bottom of the chamber as well as in its individual lid respectively. Individual temperature sensors allow an exact and individual calibration. Consequently GEN-OCTO can maintain its set temperature accurately contributing to its most optimal incubating environment.

GEN-OCTO, being equipped with a 7" sensitive touch screen, maximizes user's convenience. Touching 2-3 buttons on the screen will lead to all available and intuitive menu functionalities. Its touch screen is as sensitive and easy to use as that of modern smartphones. LED lights located on the top of each chamber indicates the current status of incubation in each and individual chamber.

Gas supplied to each of 8 chambers will be filtered through a VOC filter so that all the possible VOC components will be safely removed before the gas supply. Moreover, you do not need to worry about its maintenance period. GEN-OCTO software will monitor its usage and automatically alarm if a replacement is necessary (Alarm Setting possible).

You do not need to check the gas concentration for each chamber separately. One-time checking will display its gas concentration for all individual chambers. The gas check port will be open just for the duration of the checking and so minimizing the possible gas waste.



### Safe components with high durability

The bottom and lid of the chambers are made of aluminum with excellent heat transferability. The inner walls of the chambers are of a special material, which helps maintain the set temperatures. The soft and shock absorbent pads are made of a sturdy material with an excellent sealing feature preventing from high gas waste.

### AQM Program

The premixed gas supplied to GEN-OCTO will be filtered through a HEPA filter. It will be then filtered through a VOC filter attached to remove VOC components safely. An integrated VOC filter administration program eliminates your burden to check its expiration. You will be notified by an alarm when it is the time to replace the VOC filter.

### User friendly Interface

All the data recorded in GEN-OCTO will be automatically saved and available for users' administration. The set temperatures, alarms triggered and incubating information such as temperature calibration, chamber lid opening can be downloaded automatically whenever necessary. The provided USB port will get rid of the inconvenience with complicated cabling.

- GEN-OCTO's GUI design is centered more on a user's convenience rather than an engineering need.
- Surfing GEN-OCTO menus is simple and easy to do thanks to a smart and intuitive configuration.

## Main Display

- From its Main screen the following information will be grasped at once without any further operation



- ✓ Each chamber's incubation on/off and setting
- ✓ Each chamber's lapsed duration of incubating
- ✓ Each chamber's set and ongoing temperatures
- ✓ Icon for setting configuration
- ✓ Icon for temperature control
- ✓ List of triggered alarms
- ✓ GAS supply pressure
- ✓ VOC Filter expiration



- All the items such as each chamber's incubation on/off, lapsed incubation time, set temperature, ongoing temperature, gas pressure, VOC filter expiration can be easily grasped from one view. Temperature setting for multiple chosen chambers can be done by one operation. You never waste time because of GEN-OCTO operation. In case you forgot to save after a change in setting, GEN-OCTO will give you an alarm for your confirmation.

### Temp.

- GEN-OCTO allows you to set temperature for each chamber individually. In case one same temperature will be set for multiple chambers, you can take care of that by one operation of a multi-setting.
- Thanks to a temperature saving history, you can view a graph of hourly temperatures.

### Log data

- GEN-OCTO's logged data can be viewed, downloaded and deleted. The download can be done item by item just to your individual need. If the accumulated data get too large, you can delete them after logged data are downloaded and safely archived.

### VOC filter

- GEN-OCTO will notify by an alarm when the VOC filter needs to be replaced.

### Alarm list

- Alarm will be displayed on the main screen immediately when triggered. The whole alarm list can be viewed hourly. (Alarm display method can be configured)



## Icon Display

Calibration

Temp. Graph

Temp. History

## Easy to operate, and easy to manage, safe operation

- GEN-OCTO offers a simple and intuitive GUI for an easy and safe management.
- GEN-OCTO maintains its operating information such as temperature graph and history for an easy review of ongoing cultivation status.
- Filtration of supplied gas is critical, and consequently a timely filter replacement is essential for the quality filtration. An automatic replacement alert is a necessary feature for ensuring a continuous supply of clean gas. Filter replacement at GEN-OCTO is quick & easy, which can be done even without interrupting the ongoing incubation.
- The sturdy material used inside the chambers is easy for cleansing and also certified for medical device usage.
- Most of the brand culture dishes are compatible, and the dish tray can be detached.

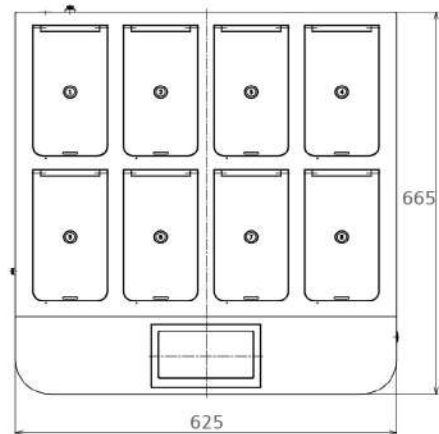
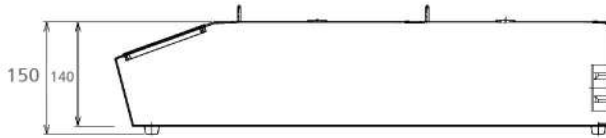


## Every dish is seated securely and comfortably.

- 16 x Nunc 4well dishes
- 16 x Falcon / Nunc 60mm dishes
- 16 x 45mm multi well dishes
- 48 x Nunc 35mm dishes



# GEN-OCTO™



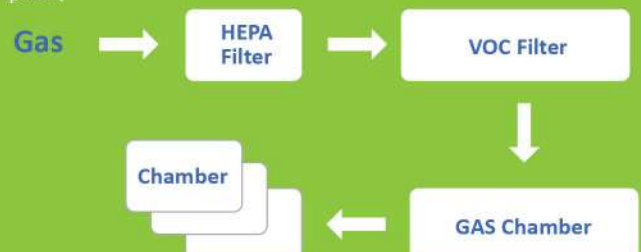
## Specifications

|                            |   |
|----------------------------|---|
| Product                    | GEN-OCTO™   |
| Dimensions(WxDxH)          | 625(24.6") x 665(26.1") x 150(5.9")mm   |
| Chambers                   | 8   |
| Display                    | 7 inches Touch Monitor  |
| Temperature range          | 20~45℃  |
| Temperature accuracy       | 0.1℃  |
| Gas supply                 | Premixed gas, Typically CO <sub>2</sub> 5% / O <sub>2</sub> 5% / N <sub>2</sub> 90% |
| Log data                   | USB backup port   |
| HEPA Filter                | Remove 99.995% of all airborne particles down to 0.3µm                              |
| VOC Filter                 | Recommended to use 3 months up to 6 months  |
| Power                      | AC100V / 110V / 220V  |
| Weight                     | 45Kg  |
| Shipping(weight/dimension) | 55Kg / 780(30.7") x 780(30.7") x 300(11.8")mm                                       |
| Options                    | Stacking frame<br>GAS Mixer<br>CO <sub>2</sub> - O <sub>2</sub> Analyzer            |

Specifications are subject to change without notice.

The gas supply to GEN-OCTO chambers is done through its internal gas tank so that a consistent gas pressure can be maintained throughout the whole system. The supplied gas flows first into a HEPA Filter for removal of possible residual toxic particles. The 2nd filtration will be then made through a VOC filter to take care of VOC toxics. After passing the aforementioned double filtration, the gas will be stored in the internal gas tank under a constant pressure to supply mixed gas to each GEN-OCTO cultivation chamber.

- Controlling individual gas supply to each chamber helps minimize GEN-OCTO gas consumption.
- Pressure sensors ensure a consistent volume of gas supply into the chambers.
- The internal gas tank can store a sufficient large volume for an optimal supply.
- Door sensors allow an automatic gas control for each chamber in connection with opened and closed doors.





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