

Humidity free Incubator

EZ Culture



※Complete type EC12



EZ Culture

Contamination Free

Culturing with no humidity provides no risk for contamination in the embryo-culturing environment.

Expand System

EZ culture comes with three different types; Standard, Add-on and Complete, selectable with your budget and space in your lab.

Individual Control

6 or 12 separate chambers provide an optimal environment for embryo development. Fast recovery for the gas concentrations and the temperature is guaranteed.

Advanced alarm system

Dependable alarm systems for temperature, gas concentrations and gas flow. All the alarm events can be obtained through analog output.



Slide bar to open the chamber.



The incubation chamber is visibly accessible without exposing sample to the ambient air.



● Temperature setting



● Gas concentration setting



● Gas flow monitor



The controller on EC6 regulates the temperature and gas concentrations for each chamber. The gas flow rates can be monitored on the same display as well.

Warming plates are customized to accommodate the following 3 patterns of dishes.

- ①BP-A
Falcon® 35mm x 6, 60mm x 3
Nunc® 4 well x 2
- ②BP-B
Falcon® 35mm x 6
Center well dish (60mm) x 3
Nunc® 4 well x 2
- ③BP-C
Nunc® 35mm x 6, 60mm x 3
Nunc® 4 well x 2

Add on type
EC6+



Standard Type
EC6



Standard type : EC6

Basic system of EZ Culture, coming with 6 chambers which allows a user to set and control the temperature for each chamber, and gas concentrations for the 6 chambers.

Add on type : EC6+

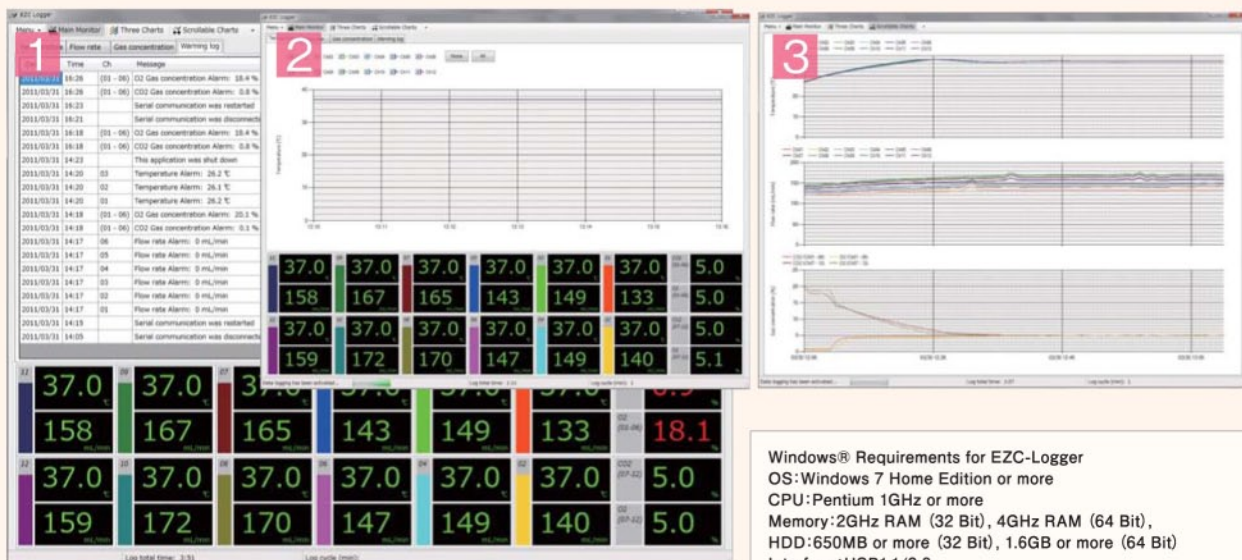
EC6+ can be added to EC6 to expand the basic system to full 12-chamber capacity.

Complete type : EC12

Fully assembled EZ Culture system coming with EC6 and EC6+ with more economical price setting.

Data Logging Software : EZC-Logger

EZC-Logger, user-friendly data logging software runs on Windows®, comes standard for EC6 and EC12. Temperature, Gas concentrations and gas flow rate can be digitally monitored and logged. All the alarm events can be stored with dates of the events, the number of incubation chamber and message that are preinstalled in the software. All the stored data can be exported as CSV file format for later modification in different format.



1 Alarm Events 2 Real time trends 3 Historical trends

Windows® Requirements for EZC-Logger
 OS: Windows 7 Home Edition or more
 CPU: Pentium 1GHz or more
 Memory: 2GHz RAM (32 Bit), 4GHz RAM (64 Bit),
 HDD: 650MB or more (32 Bit), 1.6GB or more (64 Bit)
 Interface: USB1.1/2.0
 Display: 1280 x 1024 pixels or more

Specifications

Model	Standard EC6	Add-on EC6+	Complete EC12
Exterior Dimensions (mm)	W518xD608xH171	W473xD608xH171	W991xD608xH171 ^{※1}
Chamber	Chambers	6	12
	Inner Dimensions	W108xD180XH19/Chamber	
	Capacity	310ml with warming plate	
	Warming plate	6 plates Standard	12 plates Standard
	Gas Flow sensor	Installed in each chamber	
	Temperature Control	Digital PID Control	
Temperature Range ^{※2}	Ambient +5°C~40°C		
Temperature Accuracy ^{※2}	±0.1°C		
CO ₂ Sensor	Infra Red Sensor		
CO ₂ Control	Duty Control		
CO ₂ Range	0~20.0%		
CO ₂ Accuracy	±0.3%		
O ₂ Sensor	Zirconia O ₂ Sensor		
O ₂ Control	Duty Control		
O ₂ Range	0.1~25.0%		
O ₂ Accuracy	±0.5%		
Gas Requirement	100% CO ₂ and N ₂		
Alarms	Temperature upper limit, Gas deviations (CO ₂ /O ₂), Gas flow, Gas pump		
Options	Touch panel for Data logging software (PC and Monitor Cable included),		
	Analog Output unit ECOP : Temperature x 7ch, CO ₂ /O ₂ x 1ch each, Gas flow 6ch, Alarm x 1ch		
Weight	26kg	26kg	52kg
Power	AC100V/110V/220V		

※1: When EC6 and EC6+ installed side by side. ※2: Warming plate surface



Gas Analyzer : AGA2008

Detectable Range : CO₂ 0~18.0% / O₂ 0~22.0%
 Exterior (mm) : W150 x D280 x H187 Weight : 4.5kg
 Power 100~240V



Gas Pressure Regulator : IM-055

Scale with 0.01 Mpa increment, made for Incubator use.
 First Stage : 0~25 Mpa / Second Stage 0~0.3 Mpa

Gas Guard System : GS-701



Automatically switches one gas cylinder from another when the first one gets empty.
 Exterior (mm) : W210 x D390 x H 94 Weight : 4.5kg
 Power 100~240V



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