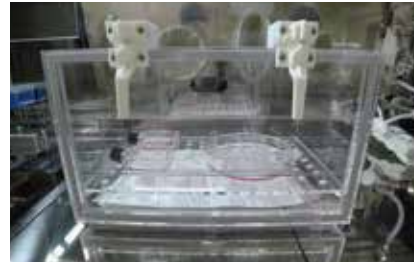


■ Dedicated CO₂ chamber (Optional)

You can select the chamber type for your needs: stainless steel chamber or acrylic deposal chamber (exposed to electron beam). In either type of dedicated chambers, it is possible, when installed, to accommodate culture flasks, petri dishes, multi-stage flasks and so on.

□ Dimensions of dedicated CO₂ chamber [External dimensions: (W)370×(D)242×(H)180 (mm)]



Acrylic deposal chamber



Stainless steel chamber

□ Product Made by BIOMEDICA SOLUTION INC.

Standard : BMS-AC408xy

Product name : Isolate CO₂ Incubator
(with Automatic Transport Function)

□ Specifications

Dimensions of main unit :
(W)1,160×(D)1,150×(H)2,200(mm)

Weight : 250kg

Power supply voltage : 1 φ 2W, AC200V, 8.0kVA, 40A

External output : RS-485×1 / Ethernet×1 / FL-net×1

Control system : Digital PID control

Control range :

Room temperature : from +8°C to +30°C (max. 50°C)
* Note: Room temperature is 22.0 to 25.0°C

CO₂ gas supply system.....

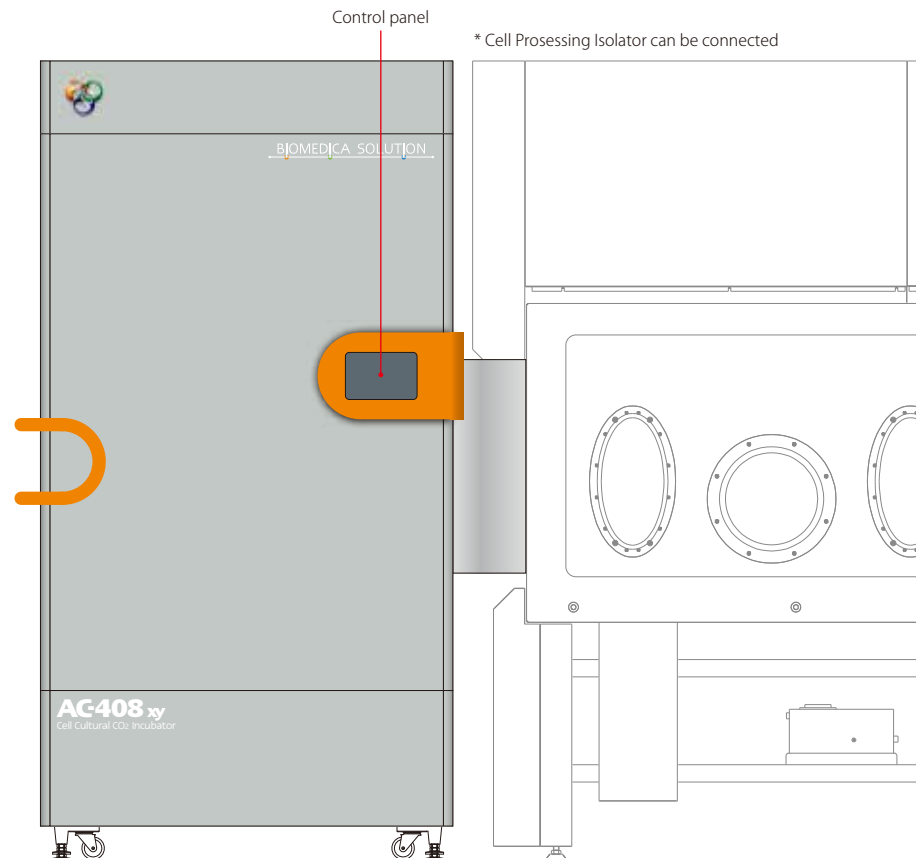
[Standard]

- Supply from mixed gas (5% CO₂ and 95% air) cylinder
- Forced gas supply to a dedicated culture chamber
- Equipped with purge mechanism, and gas supply with time setting

[Optional]

- Supply device for 5% CO₂
Generation of 5% CO₂ gas with CO₂ gas cylinder and air compressor

* Utility model registration : Registration No. 3201607 "Cell Culture System"



Control panel

* Cell Processing Isolator can be connected



BIOMEDICA SOLUTION

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AC408xy

Isolate CO₂ Incubator

(with Automatic Transport Function)

AC408xy

Isolate CO₂ Incubator

Isolate CO₂ Incubator Equipped with an Automatic Transport Function

The AC408xy is an isolate CO₂ incubator equipped with an automatic transport function that can be connected to an isolator. Automatic transport between the incubator and the isolator allows multiple independent chambers to be stored. This product helps to solve various problems such as cross-contamination and misidentification of cells.

In the past, culturing cells for multiple donors required as many small incubators as there were donors, but expansion of the facility presented a major challenge in terms of space and cost.

The AC408xy Isolate CO₂ Incubator achieves space reduction by automatically transporting and storing multiple independent chambers in the connected isolator, and prevents cross-contamination inside the cellar and misidentification of cells.



Even when the transport function to the isolator has ceased functioning due to a problem such as a power supply failure, it is possible to remove the dedicated chamber from the side door and move it to another incubator as an emergency measure.



OPERATION PROCEDURES



① Select the shelf number of a chamber to be removed from the control panel.



② The chamber of the specified shelf number is transported to the isolator.



③ Pull the transported chamber into the isolator with the slide rail and take out the petri dishes and flasks.



④ Return the flasks to the chamber after the operation, and return the chamber to the transport position with the slide rail.



⑤ When the shelf number of the chamber to be stored is specified on the control panel, the chamber is stored on the shelf from the transport position.



* For CO₂ control, a method of supplying mixed 5% CO₂ gas to each chamber is used.

* With the purge mechanism, CO₂ concentration can be recovered quickly by purging the CO₂ 5% gas into the chamber before it is returned to the shelf.

* Decontamination of the incubator realizes a sterile environment through decontamination with hydrogen peroxide solution supplied from the isolator.