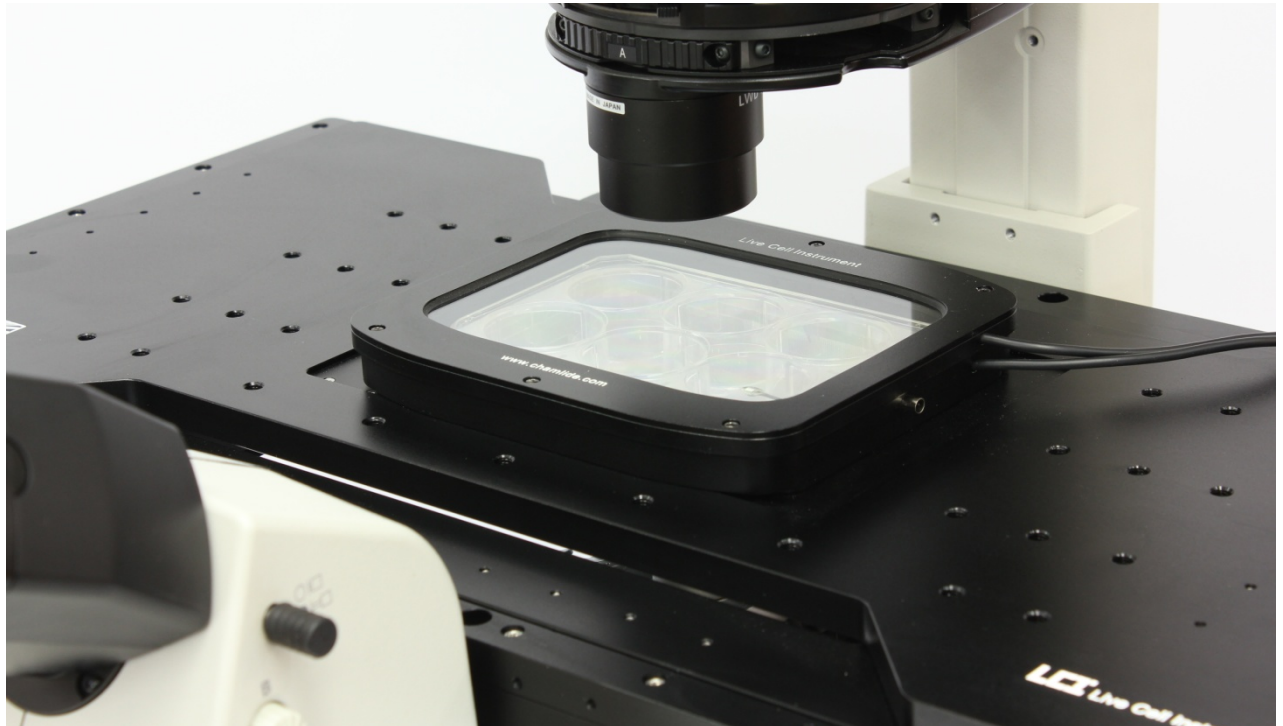
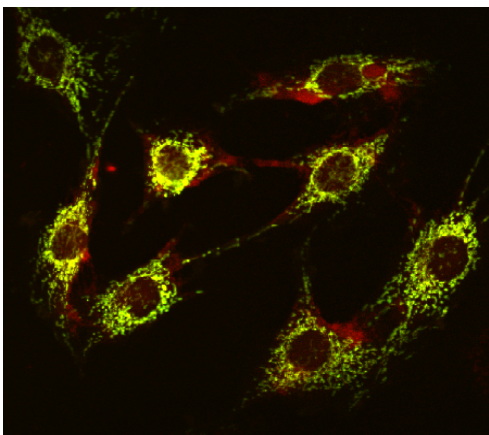


Chamlide WP

Incubator System for Commercial Well Plates & Chamlide Chambers



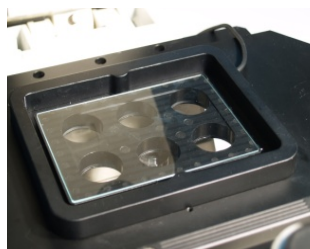
- Best for high throughput screening (HTS) during live cell imaging
- Usable with any microscope stage (The Chamlide WP requires a stage adaptor depending on the stage type.)
- Designed to fit the microscope stage with universal mounting frame K (e.g. Zeiss standard stage or most of the XY-motorized stages)
- CU-501 controls the temperature of the incubator main body, incubator cover, humidifier, and lens warmer and adjust the flow rate of the mixed CO₂ gas by the flow meter.
- Incubator cover of Chamlide WP made by clear glass which is coated heating element.
- FC-5N or FC-9 can provide optimum mixed gas to all incubator systems (e.g. Chamlide TC, WP, and IC).
- Chamlide WP can accept various commercial plastic-bottom or coverslip-bottom well plates (6, 12, 24, 48 or 96-well plates) as well as Chamlide PT, Chamlide MB or Chamlide MD. (see page 47, 61 and 62)
- Chamlide WP includes special glass covers for disposable well plates to maintain humidity and provide excellent transmission for imaging
- Able to control the temperature and gas concentration, and to program the temperature and the gas concentration gradients
- Able to record the temperature and gas concentration over time using CCP ver.7 software or MetaMorph software



■ Various Chambers in the Chamlide WP for 6-Well Plate



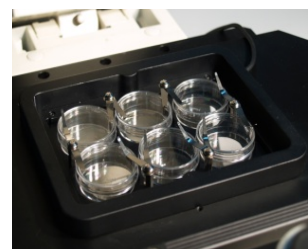
commercial 6-well plate



Chamlide PT
(Well plate type magnetic chamber)



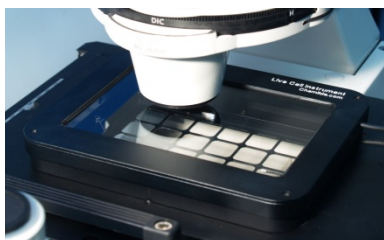
Chamlide MB
(6-hole bottom plate)



Chamlide MD
(6-dish holder)

- Usable with commercial well plates, Chamlide PT (well plate type magnetic chamber), six commercial 35mm culture dishes, six Chamlide magnetic chambers with the respective adaptors (Chamlide MD or MB).
- Chamlide PT/ MB/ WP, which can perfuse the fresh medium or inject some drugs, are customizable upon user's request.

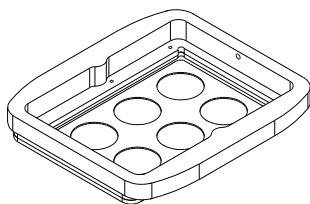
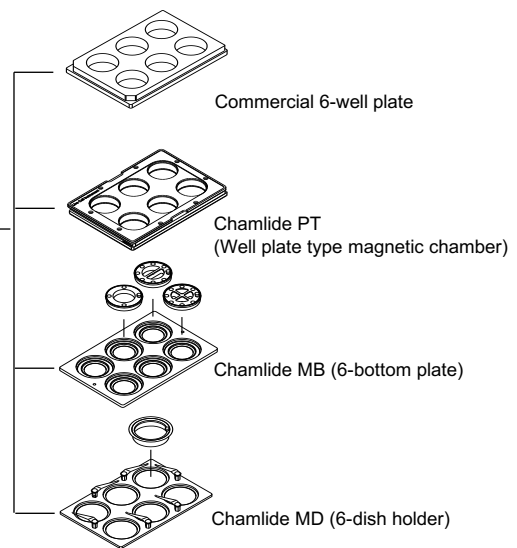
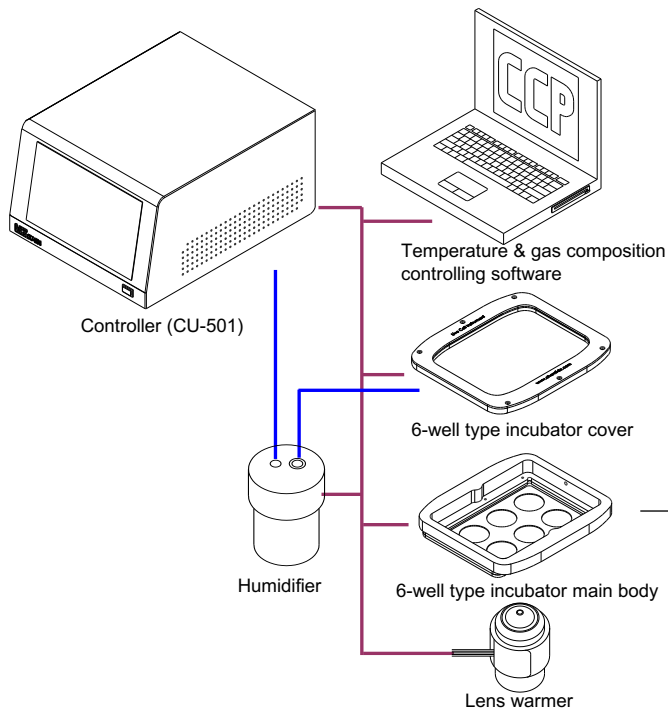
■ Chamlide WP for 96-Well Plate



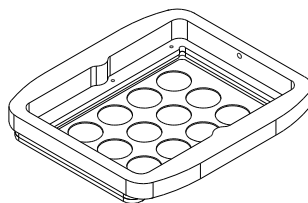
- Chamlide WP for 96-well plate to surround every 4-single well for easy approach of the objective lens. It makes high resolution images possible.
- Able to provide 1 big hole for easy movement of the high resolution objective lens.

Specifications

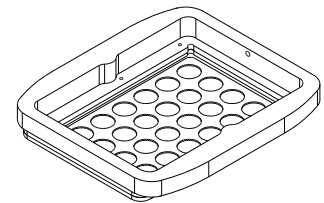
| | | |
|--|-------------------------------|--|
| Temperature range | Ambient +3°C ~ +45°C | |
| Recommended 5% CO ₂ / 95% Air flow rate | 100 ml/ min | |
| Incubator physical dimension (mm) | Cover | 164 (W) x 134 (D) x 10 (H) |
| | Main body (insert part) | 160 (W) x 130 (D) x 21 (H) (160 x 110, universal K insert size) |
| Heating method | Cover | transparent coated heater |
| | Main body | thin layer heater |
| | Humidifier | cartridge heater |
| | Lens warmer | thin layer heater |
| Sensor | PT 100 ohm | |
| Incubator material | Black anodized aluminum alloy | |



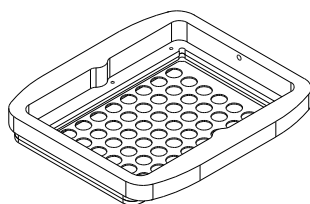
6-well type incubator



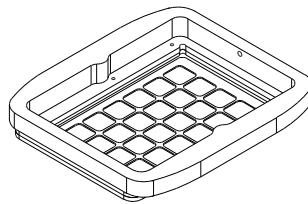
12-well type incubator



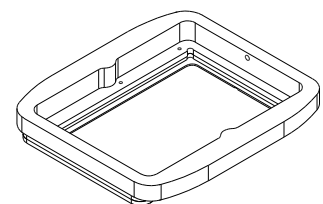
48-well type incubator



48-well type incubator



96-well type incubator



Big-hole type incubator

| Model No. | Product |
|-----------|-------------------------------|
| WP-S-10A | Chamlide WP for 6-well plate |
| WP-S-10B | Chamlide WP for 12-well plate |
| WP-S-10C | Chamlide WP for 24-well plate |
| WP-S-10D | Chamlide WP for 48-well plate |
| WP-S-10E | Chamlide WP for 96-well plate |
| WP-S-10F | Chamlide WP (1 big hole type) |

Chamlide WP for Piezo Z-stage

Incubator System for Piezo Z-stage

Chamlide WP-A (Chamlide WP for ASI or LUDL Piezo Z-stage) Universal K Insert Size



- Chamlide WP-A is used with an Applied Scientific Instrumentation (ASI) or LUDL Piezo Z-stages.
- The weight of the incubator body including chambers does not exceed 500g.
- Other functions and features are the same as the standard type Chamlide WP.
- The exterior dimensions of the incubator are the same as universal mounting frame K.

Incubator physical dimension (mm)

160 (W) x 110 (D) x 28.5 (H), universal K insert size.

Incubator material

Black polycarbonate, black anodized aluminum alloy

Model No.

Product

| | |
|----------|-----------------------------------|
| WP-S-20A | Chamlide WP-A for 6-well plate |
| WP-S-20B | Chamlide WP-A for 12-well plate |
| WP-S-20C | Chamlide WP-A for 24-well plate |
| WP-S-20D | Chamlide WP-A for 48-well plate |
| WP-S-20E | Chamlide WP-A for 96-well plate |
| WP-S-20F | Chamlide WP-A (one big hole type) |

Chamlide TC-ST & WP-ST

Incubator System for Stereo Microscope



- Every concept is the same as standard TC and WP system except the cover heating method.
- For perfect fluorescence imaging, the cover is used with a thin layered line heater and a clear glass
- A thin layered line heater is located in the blur area.

Model No. Product

TC-ST-10 Chamlide TC for stereo microscope

Model No. Product

WP-ST-10 Chamlide WP-A for the stereo microscope
(6/ 12/ 24/ 48/ 96-well plate type)