

## 1. Easy Installation

Patented magnetic system to allow quick and easy assembly

## 2. Cost-effective

Semi-permanent, replacing consumable culture-ware and expensive coverslip-bottomed dishes.

## 3. High resolution of the live cell imaging

Coverslips (thickness 0.15mm~0.20 mm) to allow high resolution imaging

## Chamber with Coverslip

- For high resolution microscopy, the high numerical aperture of an optical system is required with very short working distance.
- Coverslip with 0.15mm~0.20 mm thickness
- Coverslip has an appropriate reflective index (~1.515) using oil or water immersion objective lenses.

## Types of Observation Chambers

### 1. Non-perfusion Semi-closed Chambers

- Required to control the temperature, CO<sub>2</sub> concentration and humidity in the chamber
- Put into the incubator systems such as Chamlide TC, Chamlide WP, and Chamlide IC.

### 2. Perfusion Closed Chambers

- For small volume-perfusion or rapid perfusion.
- Fresh medium perfused into the chamber, not need to control CO<sub>2</sub> concentration and humidity.
- Maintain the temperature of the chamber and the fresh medium with a heating plate and a fluidic inline heater

### 3. Perfusion Opened Chambers

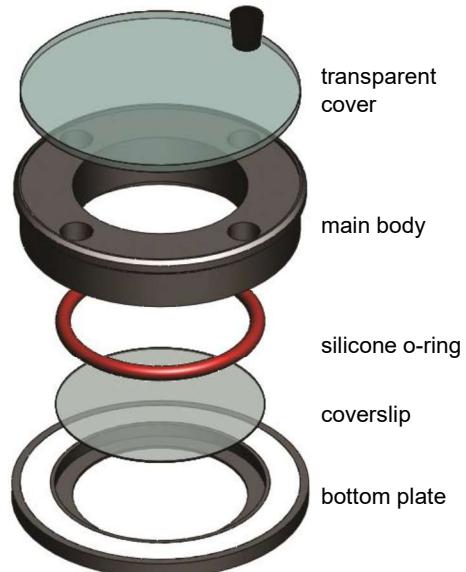
- Usable with the exterior manipulator or able to inject some solutions (e.g. chemical agents or drugs)
- Fresh medium perfused into the chamber, not need to control CO<sub>2</sub> concentration and humidity.
- Maintain the chamber temperature and the fresh medium with a heating plate and a fluidic inline heater

# Chamlide CMB

## 35mm Dish Type 1 Well Magnetic Chambers for Round Coverslip



Chamlide CMB for 18mm and 25mm coverslip

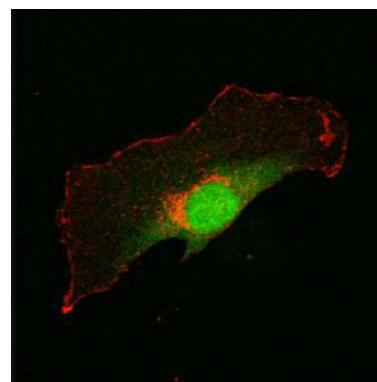


patented magnetic chamber system

### How to use Chamlide magnetic chambers

1. Culture the cells on a coverslip.
2. With a forceps, transfer a coverslip to the bottom plate.
3. Place the main body close to the bottom plate.  
(The main body will automatically attach to the bottom plate by magnetic force.)
4. Fill the chamber with an observation medium.

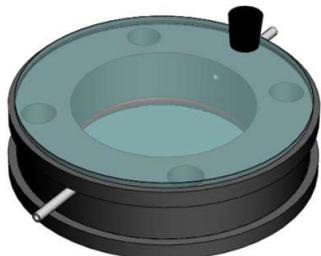
\* You can also use pre-assembled chamber to directly seed the cells.



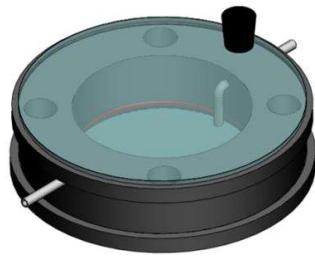
## ■ Chamlide CMB for Injection



standard Chamlide CMB



straight tubing type Chamlide CMB



L-shape tubing type Chamlide CMB

- Chamlide CMBs for injection: straight tubing type Chamlide CMB and L-shape tubing type Chamlide CMB.
- Straight / L-shape tubing type are injectable to the fresh medium or drug into the chamber.
- L-shape tubing type Chamlide CMB is removable to the medium inside the chamber with suction.

## Specifications

35mm dish type magnetic chamber for 18mm coverslip internal volume	Maximum 1.2 ml	
35mm dish type magnetic chamber for 25mm coverslip internal volume	Maximum 2.7 ml	
Chamber material	Body Bottom Cover O-ring	Black polycarbonate Aluminum alloy, steel Glass Silicone

Model No.	Product	Model No.	Product
CM-B12-1	Chamlide CMB for 12mm round coverslips	CM-B20-1	Chamlide CMB for 20mm round coverslips
CM-B12-1PA	Straight tubing type CM-B12-1	CM-B20-1PA	Straight tubing type CM-B20-1
CM-B12-1PB	L-shape tubing type CM-B12-1	CM-B20-1PB	L-shape tubing type CM-B20-1
CM-B15-1	Chamlide CMB for 15mm round coverslips	CM-B22-1	Chamlide CMB for 22mm round coverslips
CM-B15-1PA	Straight tubing type CM-B15-1	CM-B22-1PA	Straight tubing type CM-B22-1
CM-B15-1PB	L-shape tubing type CM-B15-1	CM-B22-1PB	L-shape tubing type CM-B22-1
CM-B18-1	Chamlide CMB for 18mm round coverslips	CM-B25-1	Chamlide CMB for 25mm round coverslips
CM-B18-1PA	Straight tubing type CM-B18-1	CM-B25-1PA	Straight tubing type CM-B25-1
CM-B18-1PB	L-shape tubing type CM-B18-1	CM-B25-1PB	L-shape tubing type CM-B22-1

# Chamlide CMM

## 35mm Dish Type Multi-Well Magnetic Chambers for Round Coverslip

### 2 / 4-Well Chamlide CMM with 25mm Round Coverslip



- 2-well chamber and 4-well chamber for 25mm round coverslip
- Silicon gasket prevents leaking of the medium between wells.
- Exterior size of CM-M25-2/4 is the same as 35mm culture dish.
- Usable with the Chamlide MB (multi-hole bottom plate) and the Chamlide MD (6-dish holder).
- Controllable biological environment using Chamlide incubator systems (e.g. Chamlide TC, Chamlide IC, or Chamlide WP) for 6-well plate and gas mixing systems (e.g. FC-5 or FC-7)
- Other features are the same as Chamlide magnetic chamber.



### Specifications

25mm coverslip type 2-well magnetic chamber (CM-M25-2) internal volume	Maximum 1.0 ml / well
25mm coverslip type 4-well magnetic chamber (CM-M25-4) internal volume	Maximum 450 $\mu\text{l}$ / well
12mm coverslip type 4-well magnetic chamber (CM-M12-4) internal volume	Maximum 400 $\mu\text{l}$ / well
Chamber material	Body      Black polycarbonate Bottom    Aluminum alloy, steel Cover     Glass Gasket    Silicone

## 4-Well Chamlide CMM for 12mm Round Coverslip



- 4-well chamber for 12mm round coverslips.
- Four 12mm coverslips and a silicone gasket are usable.
- The exterior size of Chamlide CM-M12-4 is the same as 35mm culture dish.
- Other features are the same as Chamlide magnetic chamber.
- Usable with Chamlide MD (6-dish holder).
- The biological environment is controllable using Chamlide incubator systems (e.g. Chamlide TC, Chamlide IC, or Chamlide WP) for 6-wellplate and gas mixing systems (e.g. FC-5 or FC-7) for live cell imaging.



2-well Chamlide CMM  
for 25mm round coverslip



4-well Chamlide CMM  
for 25mm round coverslip



4-well Chamlide CMM  
for 12mm round coverslip

Model No.	Product
CM-M25-2	2-well Chamlide CMM for 25mm round coverslip
CM-M25-4	4-well Chamlide CMM for 25mm round coverslip
CM-M12-4	4-well Chamlide CMM for 12mm round coverslip

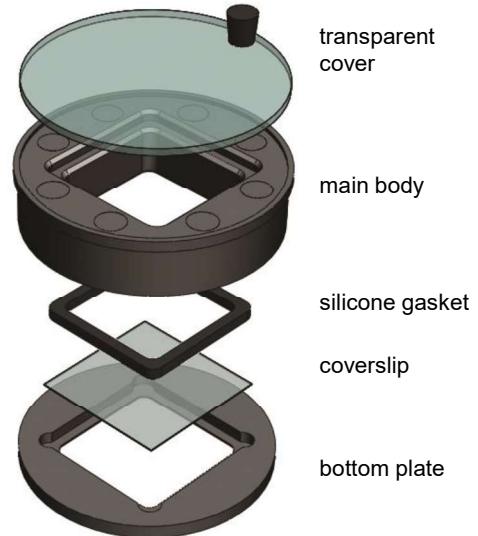
# Chamlide CMS

## 35mm Dish Type Magnetic Chambers for Square Coverslip

### 1 Well Chamlide CMS

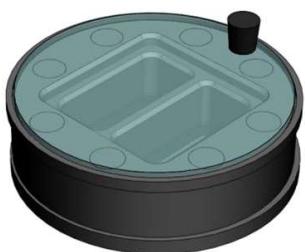


Coverslip
18 mm x 18 mm
20 mm x 20 mm
22 mm x 22 mm
24 mm x 24 mm

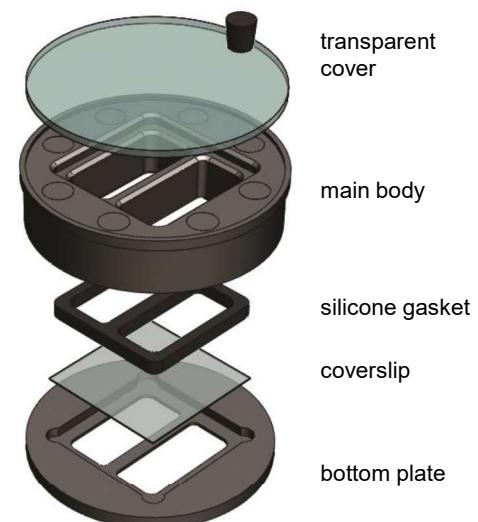


- 1 well Chamlide CMS is for the square coverslip, and 18 x 18 / 20 x 20/ 22 x 22 / 24x24mm coverslips are available.
- Other functions and features are the same as the standard type Chamlide CMM.

### 2-Well Chamlide CMS

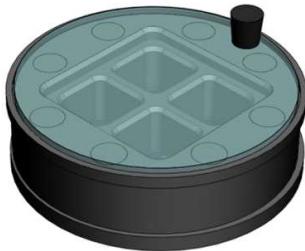


Coverslip
18 mm x 18 mm
20 mm x 20 mm
22 mm x 22 mm
24 mm x 24 mm



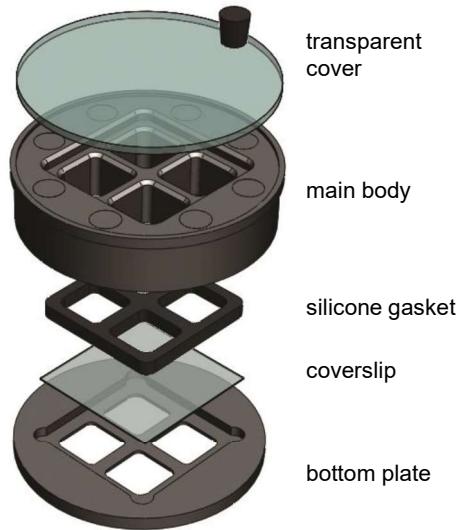
- 2-well Chamlide CMS is for the square coverslip, and 18 x 18 / 20 x 20/ 22 x 22 / 24x24mm coverslips are available.
- Other functions and features are the same as the standard type Chamlide CMM.

## 4-Well Chamlide CMS



### Coverslip

18 mm x 18 mm  
20 mm x 20 mm  
22 mm x 22 mm  
24 mm x 24 mm



- 4-well Chamlide CMS is for the square coverslip, and 18 x 18 / 20 x 20 / 22 x 22 / 24x24 coverslip is available.
- Other functions and features are the same as the standard type Chamlide CMM.

## Specifications

24x24 coverslip type 1 well magnetic chamber internal volume

Maximum 2.0 ml / well

24x24 coverslip type 2-well magnetic chamber internal volume

Maximum 800  $\mu$ l / well

24x24 coverslip type 4-well magnetic chamber internal volume

Maximum 400  $\mu$ l / well

Chamber material

Body Black polycarbonate

Bottom Aluminum alloy

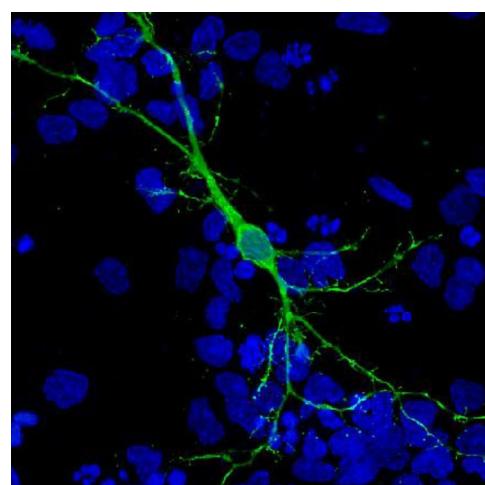
Cover Glass

Gasket Silicone

### Model No.

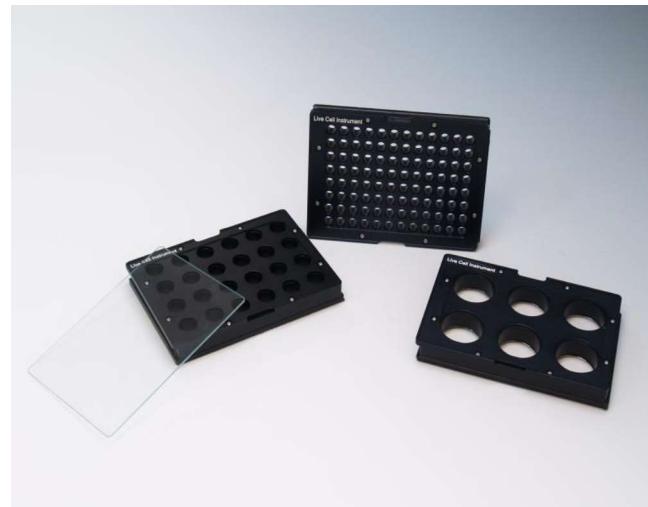
### Product

CM-S18-1	1 well Chamlide CMS for 18mmx18mm coverslip
CM-S20-1	1 well Chamlide CMS for 20mmx20mm coverslip
CM-S22-1	1 well Chamlide CMS for 22mmx22mm coverslip
CM-S24-1	1 well Chamlide CMS for 24mmx24mm coverslip
CM-S18-2	2-well Chamlide CMS for 18mmx18mm coverslip
CM-S20-2	2-well Chamlide CMS for 20mmx20mm coverslip
CM-S22-2	2-well Chamlide CMS for 22mmx22mm coverslip
CM-S24-2	2-well Chamlide CMS for 24mmx24mm coverslip
CM-S18-4	4-well Chamlide CMS for 18mmx18mm coverslip
CM-S20-4	4-well Chamlide CMS for 20mmx20mm coverslip
CM-S22-4	4-well Chamlide CMS for 22mmx22mm coverslip
CM-S24-4	4-well Chamlide CMS for 24mmx24mm coverslip



# Chamlide PT

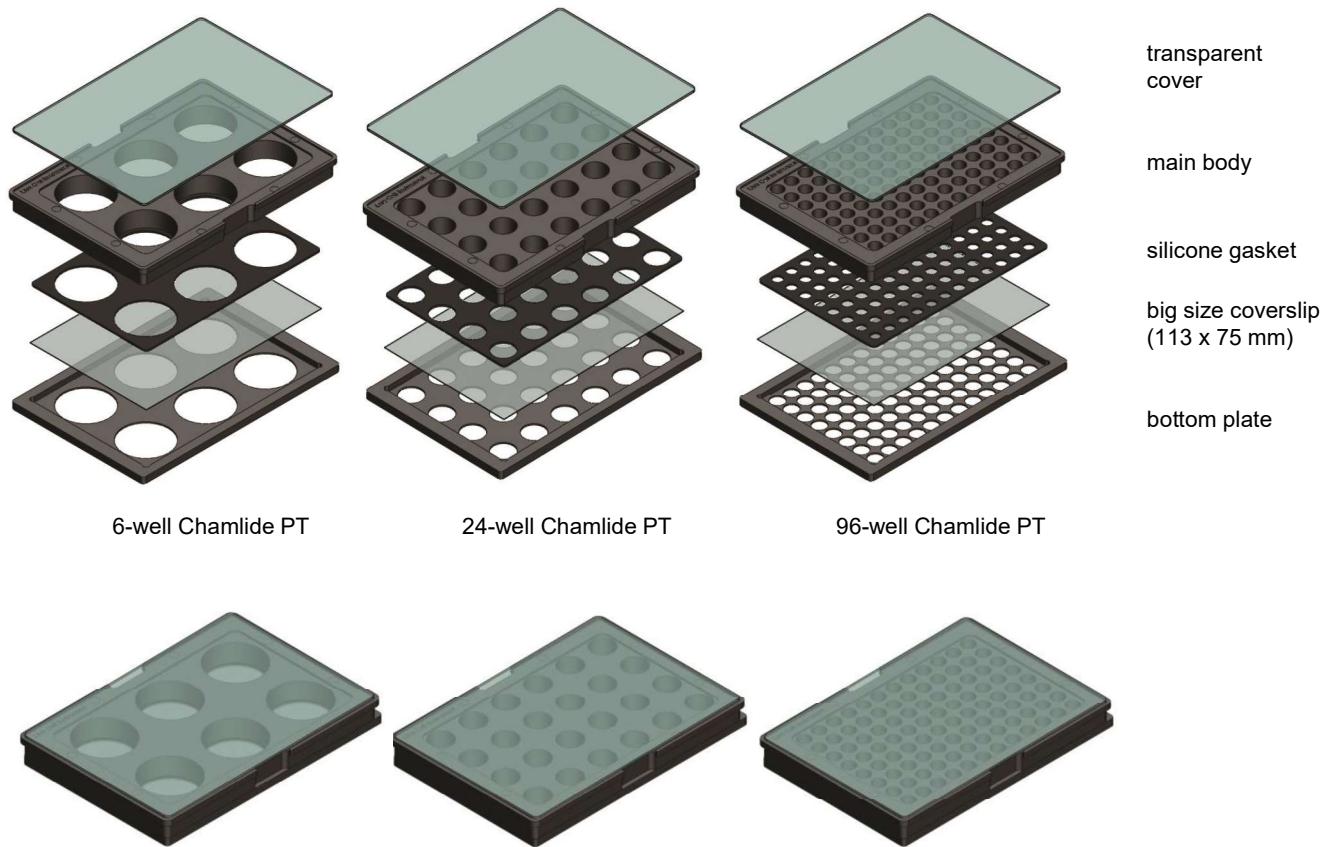
## Well Plate Type Multi-Well Magnetic Chamber



- Disposable cover glass bottomed well plate is replaceable.
- Semi-permanent
- The bottom cover glass are simply removable and replaceable for the next use.
- Auto-cleavable
- Silicone gaskets to prevent leaking
- Big size (113mm x 75mm, #1.5, thickness ~0.17mm) coverslip. (See Page 49, 70091137B)
- Metal bottom for stable temperature control during the live cell imaging
- Non-toxic and non-reactive polycarbonate material
- Patented magnetic multi-well chamber system for easy installation
- Temperature and CO<sub>2</sub> level are controllable with Chamlide WP and FC-5 for live cell imaging.

### How to use Chamlide PT

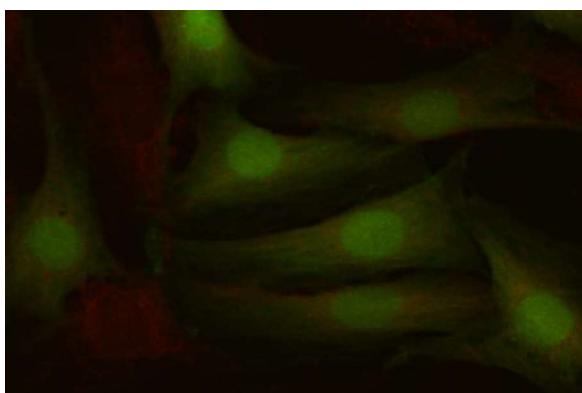
1. Put the big size coverslip (113mm x 75 mm) into the bottom plate.
2. Fit the main body with the silicone gasket.
3. Place the main body close to the bottom plate  
(The main body will automatically attach to the bottom plate by **magnetic force**.)
4. Seed the cells into the chamber
5. Use it with Chamlide WP for the live cell imaging or put it in the CO<sub>2</sub> incubator for cell culture.



## Specifications

6-well plate type magnetic chamber internal volume	Maximum	5.5 ml / well
24-well plate type magnetic chamber internal volume	Maximum	1.0 ml / well
96-well plate type magnetic chamber internal volume	Maximum	230 $\mu$ l / well
Material	Main body	Black polycarbonate
	Bottom	Black anodized aluminum alloy, steel
	Cover	Glass
	Gasket	Silicone

Model No.	Product
PT-S-06	6-well Chamlide PT
PT-S-12	12-well Chamlide PT
PT-S-24	24-well Chamlide PT
PT-S-48	48-well Chamlide PT
PT-S-96	96-well Chamlide PT

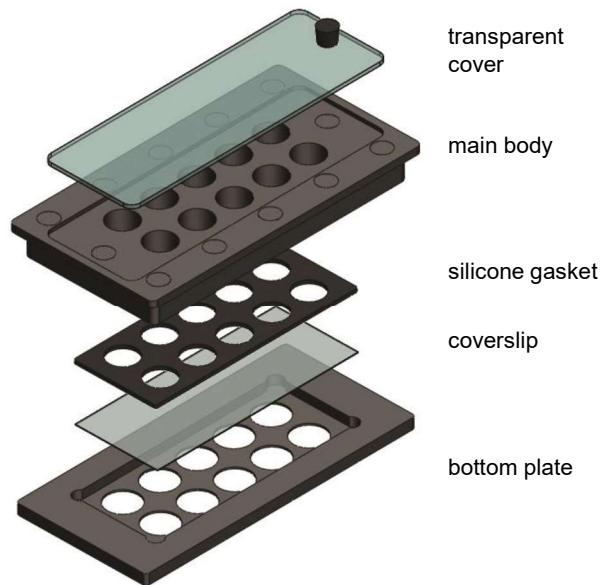


# Well Slip

## Coverslip Bottom Magnetic Chamber for Rectangular Coverslip



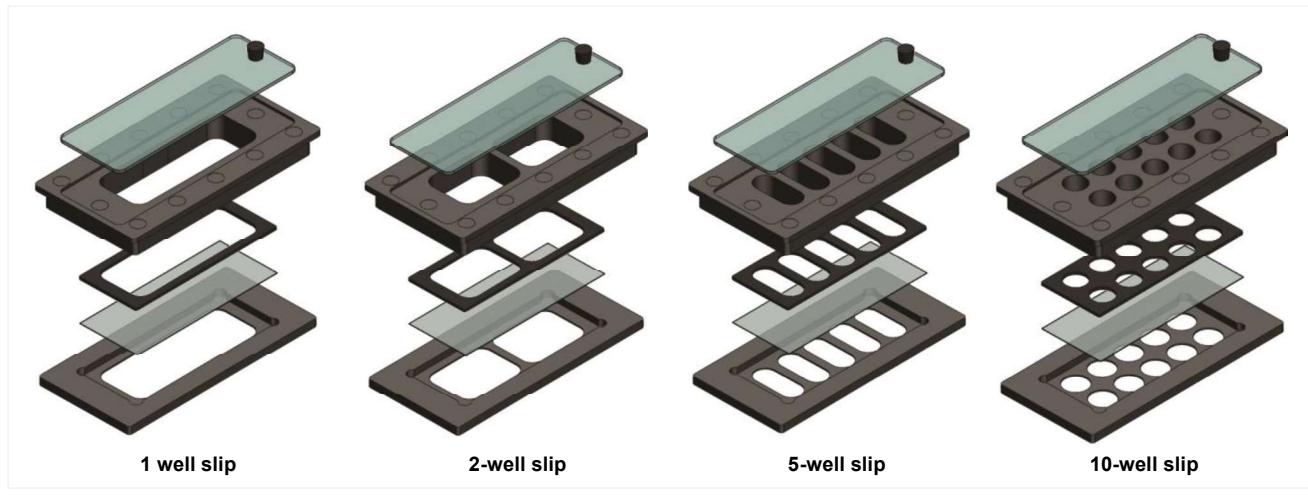
- Consumable chambered cover glass is replaceable.
- Semi-permanent and re-useable
- Bottom coverslip is simply removable and replaceable for next use.
- Auto cleavable
- Silicone gaskets to prevent leaking
- Metal bottom for stable temperature control during the live cell imaging
- Non-toxic and non-reactive polycarbonate material
- Patented magnetic system for easy assembly
- Temperature and CO<sub>2</sub> level are controllable using Chamlide TC and FC-5 for live cell imaging.



### Specifications

Material	Main body Bottom Cover Gasket	Black polycarbonate Black anodized aluminum alloy Glass Silicone
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Coverslip	Well Quantity
22 mm x 32 mm	1 well / 2 wells
22 mm x 40 mm	1 well / 2 wells / 4 wells
22 mm x 50 mm	1 well / 2 wells / 4 wells / 8 wells
22 mm x 60 mm	1 well / 2 wells / 5 wells / 10 wells
24 mm x 32 mm	1 well / 2 wells
24 mm x 40 mm	1 well / 2 wells / 4 wells
24 mm x 50 mm	1 well / 2 wells / 4 wells / 8 wells
24 mm x 60 mm	1 well / 2 wells / 5 wells / 10 wells

**Model No.**    **Product**

WL-2232-1	1 well slip for 22mmx32mm coverslip
WL-2240-1	1 well slip for 22mmx40mm coverslip
WL-2250-1	1 well slip for 22mmx50mm coverslip
WL-2260-1	1 well slip for 22mmx60mm coverslip
WL-2432-1	1 well slip for 24mmx32mm coverslip
WL-2440-1	1 well slip for 24mmx40mm coverslip
WL-2450-1	1 well slip for 24mmx50mm coverslip
WL-2460-1	1 well slip for 24mmx60mm coverslip
WL-2232-2	2-well slip for 22mmx32mm coverslip
WL-2240-2	2-well slip for 22mmx40mm coverslip
WL-2250-2	2-well slip for 22mmx50mm coverslip
WL-2260-2	2-well slip for 22mmx60mm coverslip
WL-2432-2	2-well slip for 24mmx32mm coverslip

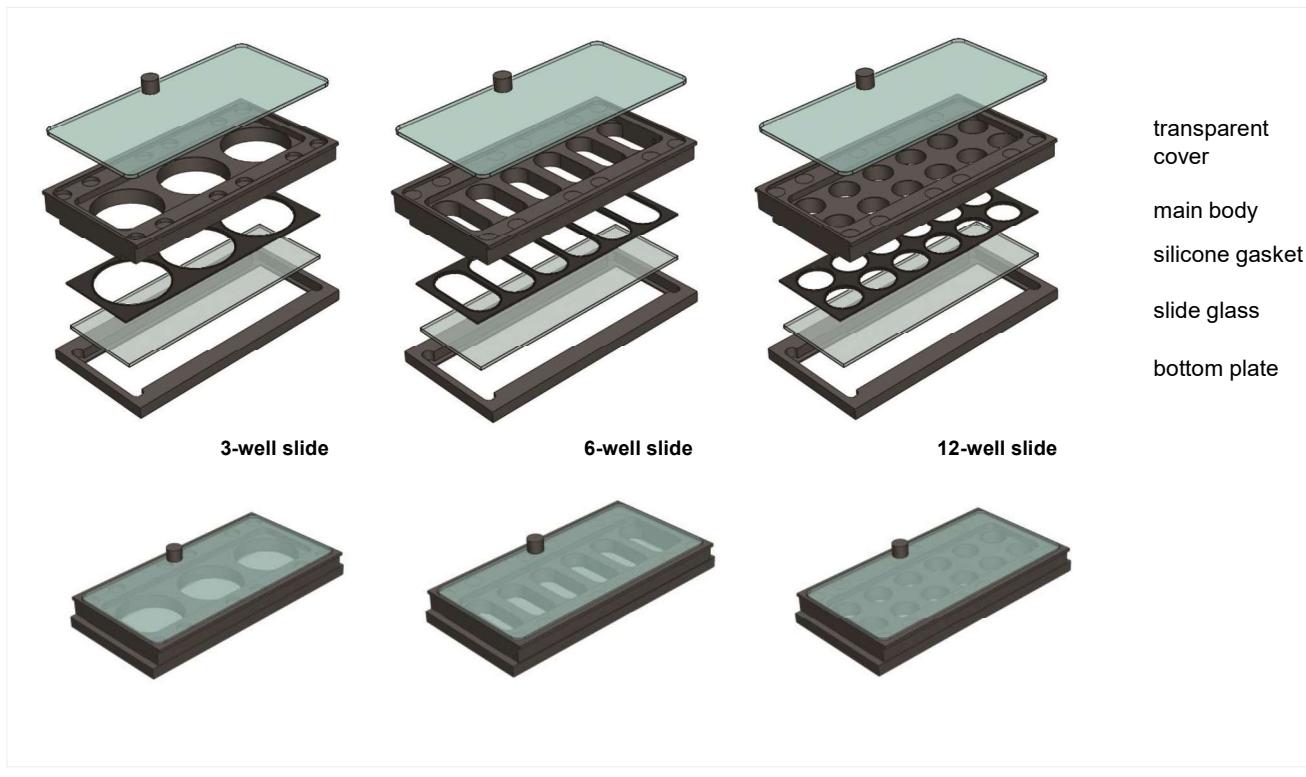
**Model No.**    **Product**

WL-2440-2	2-well slip for 24mmx40mm coverslip
WL-2450-2	2-well slip for 24mmx50mm coverslip
WL-2460-2	2-well slip for 24mmx60mm coverslip
WL-2240-4	4-well slip for 22mmx40mm coverslip
WL-2250-4	4-well slip for 22mmx50mm coverslip
WL-2440-4	4-well slip for 24mmx40mm coverslip
WL-2450-4	4-well slip for 24mmx50mm coverslip
WL-2260-5	5-well slip for 22mmx60mm coverslip
WL-2460-5	5-well slip for 24mmx60mm coverslip
WL-2250-8	8-well slip for 22mmx50mm coverslip
WL-2450-8	8-well slip for 24mmx50mm coverslip
WL-2260-10	10-well slip for 22mmx60mm coverslip
WL-2460-10	10-well slip for 24mmx60mm coverslip

# Well Slide

## Slide Glass Bottom Multi-Well Magnetic Chamber

- Best for immunohistochemistry staining
- Chamber slide is consumable and replaceable.
- Semi-permanent and re-useable
- Bottom slide glass is simply removable and replaceable for the next use.
- Auto cleavable
- Silicone gaskets to prevent leaking
- Metal bottom for stable temperature control during the live cell imaging
- Non-toxic and non-reactive polycarbonate material
- Patented magnetic system for easy assembly
- Temperature and CO<sub>2</sub> level are controllable with Chamlide TC and FC-5 for the live cell imaging.



### Specifications

Well slide internal volume	12-well type 6-well type 3-well type	400 $\mu$ l / well 1 ml / well 2 ml / well
Material	Main body Bottom Cover Gasket	Polycarbonate Black anodized aluminum alloy Glass Silicone

Model No.	Product
WS-S-03	3-well slide
WS-S-06	6-well slide
WS-S-12	12-well slide

# Chamlide WC

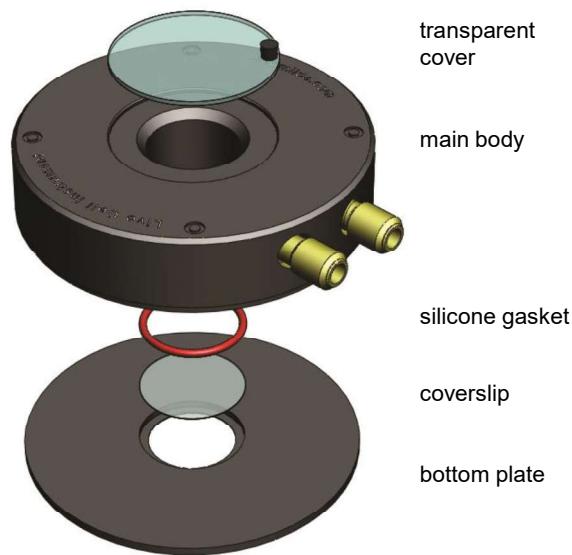
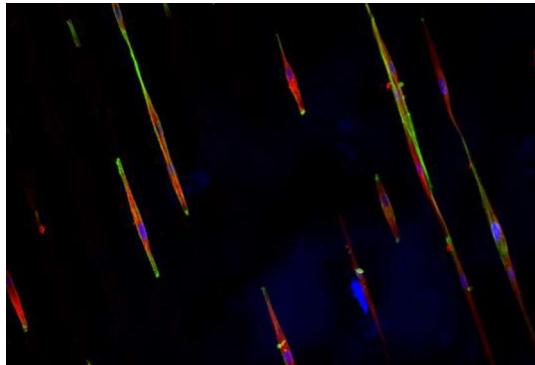
## Water Circulation Magnetic Chamber



Chamlide Magnetic Chambers

Non-perfusion Type Semi-closed Chambers: Chamlide WC

- For the low and high temperature experiment
- Use Chamlide WC with the water-circulation bath to control the temperature of the chamber.



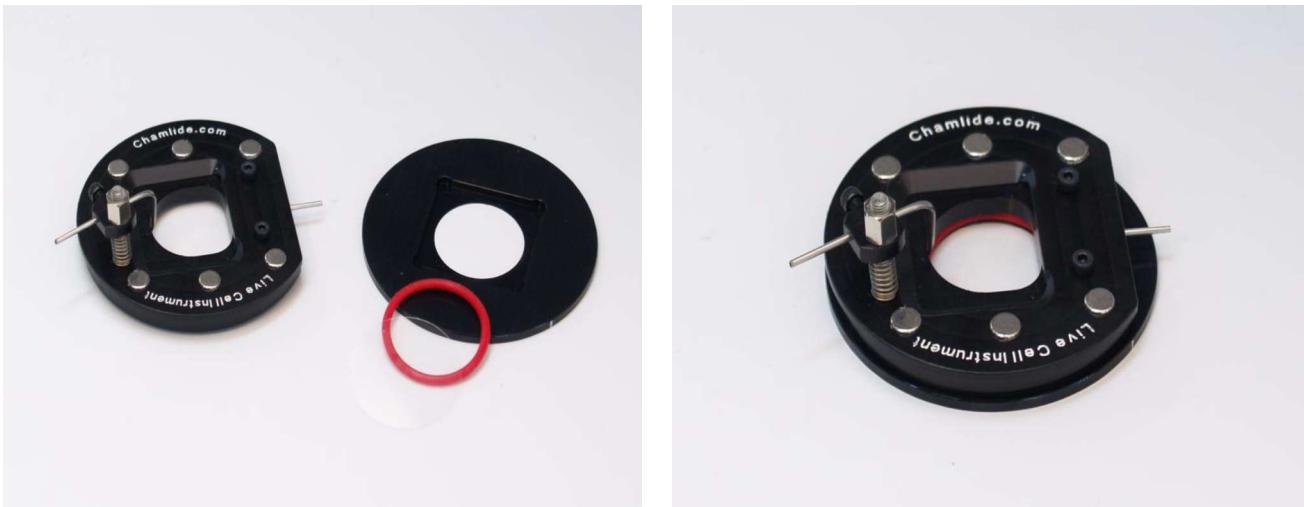
### Specifications

Temperature range	Depending on water circulation bath
Circulation water inlet/outlet port size	4mm (O.D)
Material	Main body Polycarbonate & Aluminum alloy Bottom plate Black anodized aluminum alloy

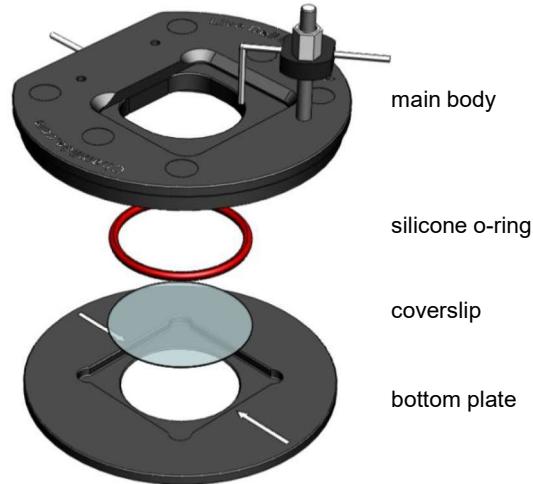
Model No.	Product
WC-R12	Chamlide WC for 12mm round coverslip
WC-R15	Chamlide WC for 15mm round coverslip
WC-R18	Chamlide WC for 18mm round coverslip
WC-R20	Chamlide WC for 20mm round coverslip
WC-R22	Chamlide WC for 22mm round coverslip
WC-R25	Chamlide WC for 25mm round coverslip

# Chamlide AC

## Perfusion Type Water Volume Adjustable Magnetic Chamber



- Perfusion type opened chamber
- Eliminate the problem of swirling and to achieve the laminar flow during perfusion, Chamlide AC uses an oval shaped well in the chamber.
- Wide fluid inlet prevents the shear damage from cells during perfusion.
- The height of the outlet port (or suction port) are adjustable to control the media volume inside the chamber.
- The temperature of the chamber are controllable with a heating plate.
- The fluidic inline heater (IHS-101) for controlling medium temperature



### Specifications

Internal volume of perfusion chamber for 18Ø coverslip	Maximum 0.6 ml
Internal volume of perfusion chamber for 25Ø coverslip	Maximum 1.5 ml
Material	Main body Black polycarbonate Bottom plate Black anodized aluminum alloy
Inlet/outlet port tubing size	1.0 mm (O.D)
Chamber physical dimension	Main body 55mmØ x 5T Bottom plate 55mmØ x 2T

#### Model No.

#### Product

AC-B15	Chamlide AC for 15mm round coverslip
AC-B18	Chamlide AC for 18mm round coverslip
AC-B20	Chamlide AC for 20mm round coverslip
AC-B22	Chamlide AC for 22mm round coverslip
AC-B25	Chamlide AC for 25mm round coverslip

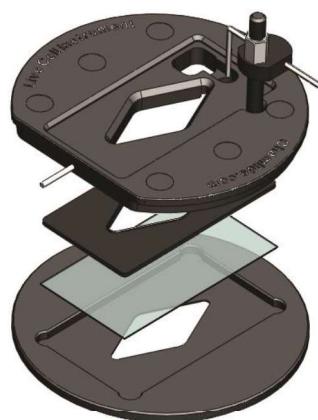
## Chamlide AC-P (Chamlide AC for Patch Clamp)



main body  
silicone gasket  
coverslip  
bottom plate

- For the patch clamp experiment
- The opening of the patch clamp Chamlide AC is wider than the standard type for easy access of external manipulators.
- For fast medium change, the opening is elliptical.

## Chamlide AC-PS (Chamlide AC for Patch Clamp)



main body  
silicone gasket  
coverslip  
bottom plate

- Minimize water surface fluctuation during perfusion.
- Use 24(22)mm x 40mm rectangular coverslip.
- Other functions and shapes are same as Chamlide AC-P.

### Specifications

Internal volume of AC-P(PS) for 18 $\varnothing$  coverslip

Maximum 0.6 ml

Internal volume of AC-P(PS) for 25 $\varnothing$  coverslip

Maximum 1.5 ml

Material

Main body Black polycarbonate

Bottom plate Black anodized aluminum alloy

Inlet/outlet port tubing size

1.0 mm (O.D.)

Chamber physical dimension

Main body 55mm $\varnothing$  x 5mmT

Bottom plate 55mm $\varnothing$  x 2mmT

#### Model No. Product

AC-P15	Chamlide AC-P for 15mm round coverslip
AC-P18	Chamlide AC-P for 18mm round coverslip
AC-P20	Chamlide AC-P for 20mm round coverslip
AC-P22	Chamlide AC-P for 22mm round coverslip
AC-P25	Chamlide AC-P for 25mm round coverslip

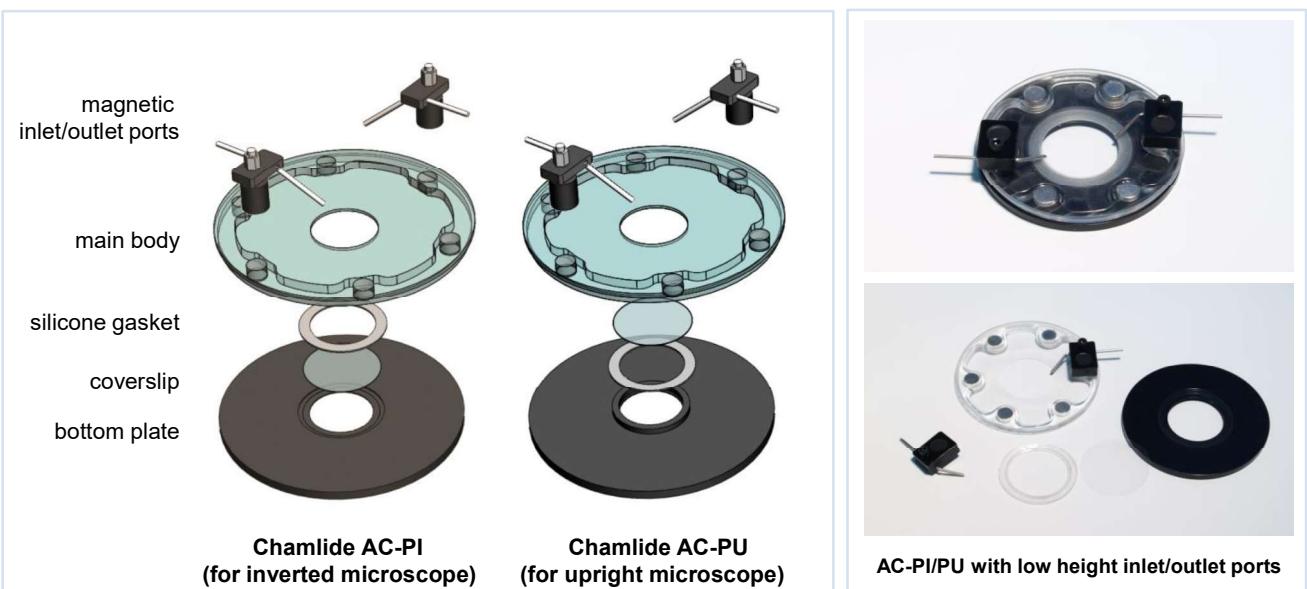
#### Model No. Product

AC-PS2240	Chamlide AC-PS for 22mm x 40 mm rectangular coverslip
AC-PS2440	Chamlide AC-PS for 24mm x 40 mm rectangular coverslip

## Chamlide AC-PI/ Chamlide AC-PU (Wide Chamlide AC-P)



- For the patch clamp experiment
- AC-PI is the perfusion chamber for the inverted microscope
- AC-PU is for the upright microscope
- The opening of the Chamlide AC-PI/PU is wider than the Chamlide AC-P for easy access of external manipulators.
- For convenient approach of the external manipulator, perfusion inlet/outlet ports can be moved and attached with magnetic force.



Model No.	Product
AC-PI15	Chamlide AC-PI for 15mm round coverslip
AC-PI18	Chamlide AC-PI for 18mm round coverslip
AC-PI20	Chamlide AC-PI for 20mm round coverslip
AC-PI22	Chamlide AC-PI for 22mm round coverslip
AC-PI25	Chamlide AC-PI for 25mm round coverslip

Model No.	Product
AC-PU15	Chamlide AC-PU for 15mm round coverslip
AC-PU18	Chamlide AC-PU for 18mm round coverslip
AC-PU20	Chamlide AC-PU for 20mm round coverslip
AC-PU22	Chamlide AC-PU for 22mm round coverslip
AC-PU25	Chamlide AC-PU for 25mm round coverslip

# Chamlide EC

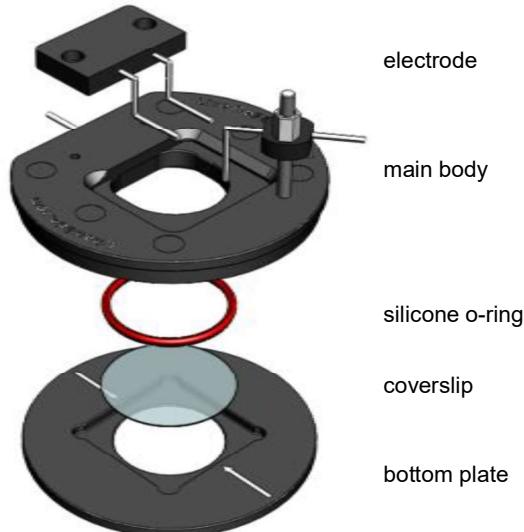
## Perfusion Type Electric Stimulation Magnetic Chamber



Chamlide Magnetic Chambers

Perfusion Type Opened Chamber: Chamlide EC

- For applications requiring the field stimulation, Chamlide EC is supplied with a pair of platinum electrodes. The electrodes are installed along two parallel sides of the bath.
- Pin connector to supply the electric current from the stimulator is removed for diverse uses.
- Other features are the same as the Chamlide AC except the electrode part.
- Patented magnetic system for easy assembly
- IHS-101 (the fluidic inline heater ) for controlling medium temperature.
- The temperature of the chamber is controllable with a heating plate.



### Specifications

Internal volume of perfusion chamber for 18mmØ coverslip	Maximum 0.6ml
Internal volume of perfusion chamber for 25mmØ coverslip	Maximum 1.5ml
Pt electrode	0.5 mm (O.D) x 30
Inlet/outlet port tubing size	1.0 mm (O.D)
Chamber physical dimension	Main body 55mmØ x 5mmT Bottom plate 55mmØ x 2mmT

### Model No.

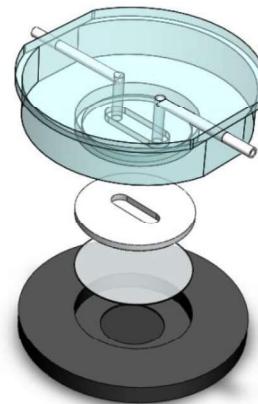
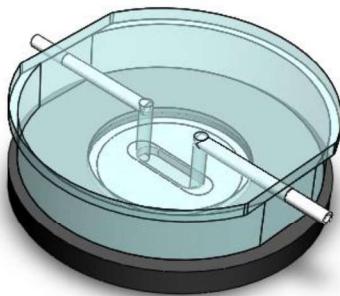
### Product

EC-B15	Chamlide EC for 15mm round coverslip
EC-B18	Chamlide EC for 18mm round coverslip
EC-B20	Chamlide EC for 20mm round coverslip
EC-B22	Chamlide EC for 22mm round coverslip
EC-B25	Chamlide EC for 25mm round coverslip

# Chamlide CF, Chamlide CF-EC

## Perfusion Type Closed Magnetic Chamber/ Shear Stress Chamber

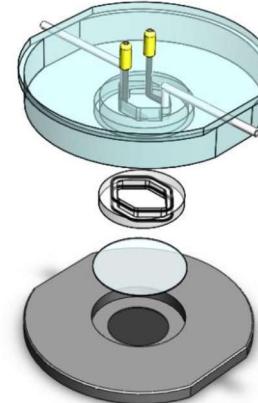
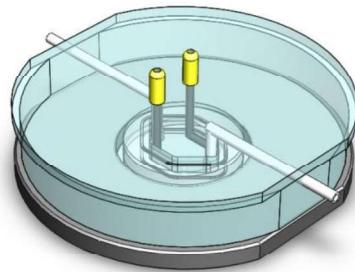
- Fast medium exchange
- The thickness of the silicone gasket is even.
- The internal volume depends on the height of the projecting part toward the bottom of the main body.
- If the height of the channel is **200µm**, it can be used for cell adhesion studies by **shear stress**.
- The shape of the inside gasket is customizable.



transparent  
main body  
  
silicone gasket  
  
coverslip  
  
bottom plate

### Chamlide CF-EC/ Electric Stimulation CF

- For applications requiring field stimulation, Chamlide CF-EC is supplied with a pair of platinum electrodes.
- The electrodes are installed along two parallel sides of the bath.



transparent  
main body  
  
electrode  
  
silicone o-ring  
  
coverslip  
  
bottom plate

### Specifications

Magnetic closed chamber internal volume

Depending on channel shape and size

Material

Main body Invisible polycarbonate

Bottom Black anodized aluminum alloy

Gasket Silicone

Electrode Platinum

#### Model No.      Product

CF-S15-A , B or C Chamlide CF for 15mm round coverslip  
CF-S18-A , B or C Chamlide CF for 18mm round coverslip  
CF-S20-A , B or C Chamlide CF for 20mm round coverslip  
CF-S22-A , B or C Chamlide CF for 22mm round coverslip  
CF-S25-A , B or C Chamlide CF for 25mm round coverslip

#### Model No.      Product

CF-EC-S15-A , B or C Chamlide CF-EC for 15mm round coverslip  
CF-EC-S18-A , B or C Chamlide CF-EC for 18mm round coverslip  
CF-EC-S20-A , B or C Chamlide CF-EC for 20mm round coverslip  
CF-EC-S22-A , B or C Chamlide CF-EC for 22mm round coverslip  
CF-EC-S25-A , B or C Chamlide CF-EC for 25mm round coverslip

◆ “A” has 0.2mm internal height, “B” has 0.5mm internal height, “C” has 1.0mm internal height

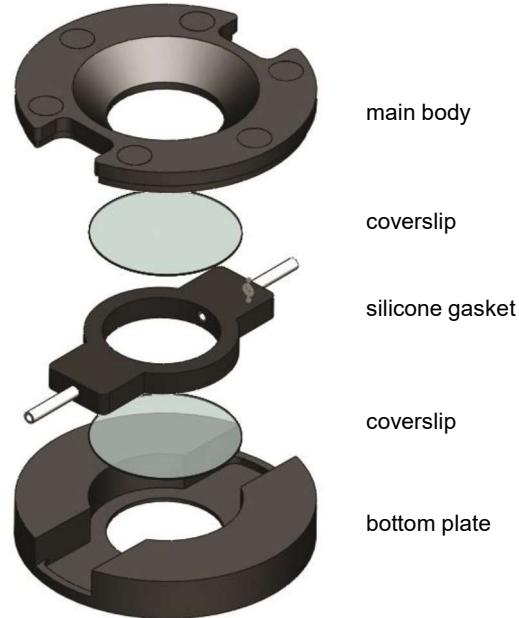
# Chamlide CF-T

## Chamlide CF with Two Coverslips



### For perfect transmission imaging use:

- A coverslip is a lid.
- High quality transmission imaging (e.g. DIC)
- Closed type perfusion is available.
- Patented magnetic system for easy assembly
- Silicone gasket (2.5mm thickness is the standard).
- The size of chamber and the width of gasket are customizable.
- IHS-101 (the fluidic inline heater) for controlling the medium temperature
- The temperature of the chamber is controllable with a heating plate.
- Other functions and features are the same as the standard type Chamlide CF.
- Gasket shape is customizable.



### Specifications

Magnetic closed chamber internal volume

Depending on the gasket shape

Material

Main body Black anodized aluminum alloy  
Bottom Black anodized aluminum alloy  
Gasket Silicone

#### Model No.

CF-T12  
CF-T15  
CF-T18  
CF-T20  
CF-T22  
CF-T25

#### Product

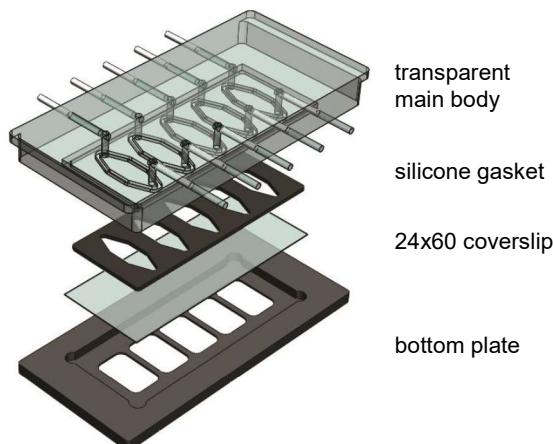
Chamlide CF-T for 12mm round coverslip  
Chamlide CF-T for 15mm round coverslip  
Chamlide CF-T for 18mm round coverslip  
Chamlide CF-T for 20mm round coverslip  
Chamlide CF-T for 22mm round coverslip  
Chamlide CF-T for 25mm round coverslip

# Chamlide PM, PM-T

## Perfusion Type Multi-Well Closed Magnetic Chamber

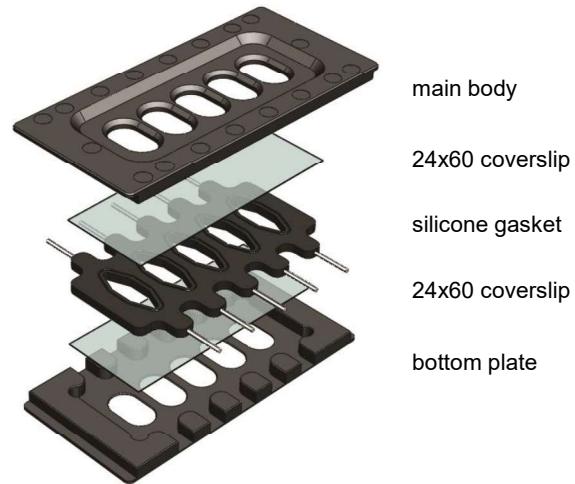


Chamlide PM



transparent main body  
silicone gasket  
24x60 coverslip  
bottom plate

- Use a 24mm x 60mm coverslip as a bottom for high magnification microscopy.
- Closed perfusion type is available.
- 5-well type is standard but more or less wells are customizable.
- Individual multi-experiments on a coverslip by the media perfusion are available.
- Patented magnetic system for easy assembly.
- The temperature of the chamber is controllable with a heating plate.



main body  
24x60 coverslip  
silicone gasket  
24x60 coverslip  
bottom plate

### For perfect transmission imaging use:

- A coverslip is a lid.
- High quality transmission imaging such as DIC
- Silicone gasket (2.5mm thickness is the standard)
- Other functions are same as Chamlide PM

### Specifications

Magnetic closed chamber internal volume	Depends on the channel size and number
Material	Main body transparent polycarbonate (PM) Anodized aluminum alloy (PM-T)
	Bottom Black anodized aluminum alloy
	Gasket Silicone

#### Model No.

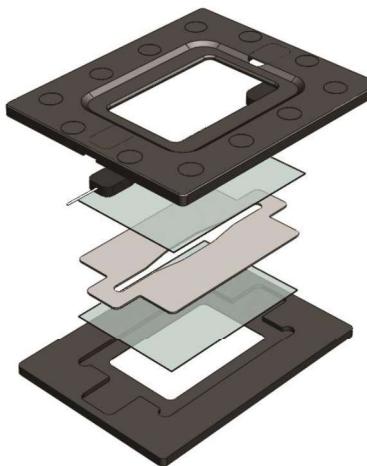
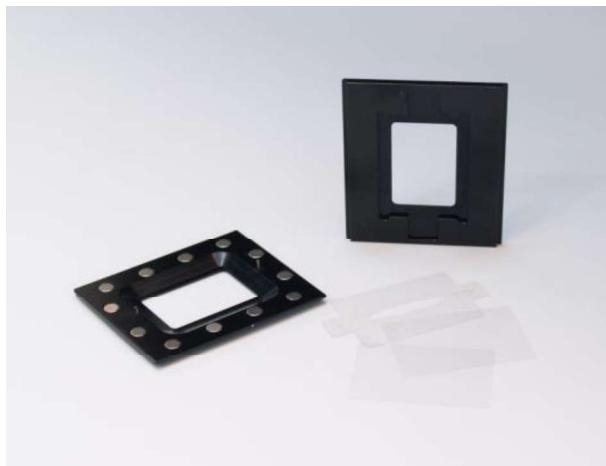
PM-S-10  
PM-T-10

#### Product

Chamlide PM  
Chamlide PM -T

# Chamlide DF

## Dark Field Chamber

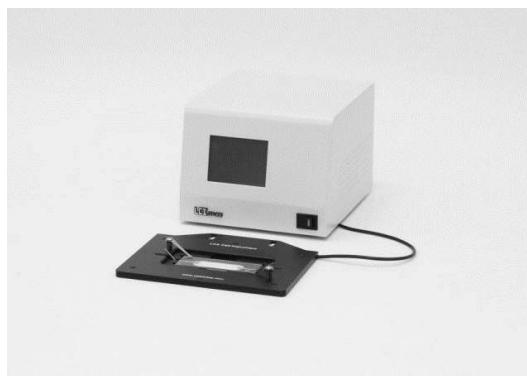


main body  
inlet/outlet port  
35x50 coverslip  
silicone gasket  
35x50 coverslip  
bottom plate

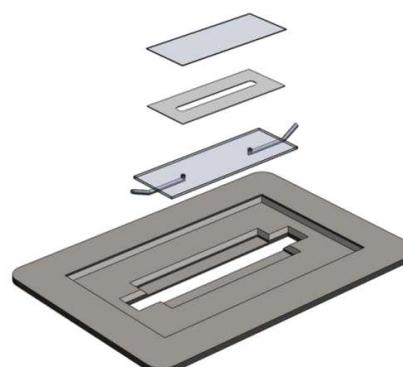
- Easy access of the condenser and the short working distance lens for the dark field microscope
- Two 35 x 50mm coverslip internal height is 0.5 mm.
- Patented magnetic system for easy assembly
- Fluid inlet/outlet to connect to a peristaltic pump or a syringe pump.
- Chamber temperature is controllable with a heating plate.
- Fluidic inline heater to control the medium temperature

## Chamlide DF-T

### 0.1mm Internal Height Chamber



heating plate for DF-T



24 x 60 Cover slip  
paraffin film gasket (0.1mm)  
slide glass with inlet/outlet port  
heating plate

- Heating plate for Chamlide DF-T.
- Use 24mm x 50mm coverslip for the upper layer.
- Lower slide glass has inlet/outlet ports.
- Gasket is made by 0.1mm paraffin film and internal chamber height is 0.1mm.
- Heater (e.g. hair dryer) to attach or detach the gasket

#### Model No.

DF-S-10

DF-T-10

#### Product

Chamlide DF

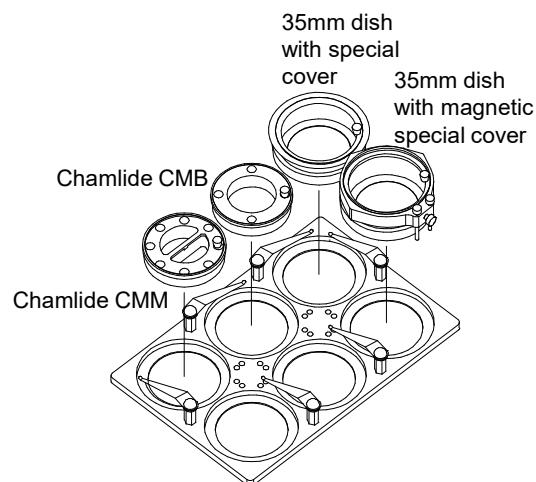
Chamlide DF-T

# Chamlide MD

## 6-dish Holder for 35mm Dish Type Magnetic Chambers & Dishes



- The size of Chamlide MD is the same as a commercial well-plate.
- Loaded with consumable 35mm culture dishes or 35mm dish type magnetic chambers.
- Made to fit any type of commercial 35mm culture dish.
- Used with 35mm culture dish and the magnetic special cover to allow the removal of dishes and reloading without altering the position of the sample.



### Specifications

Material	Body Holder	Black anodized aluminum alloy Stainless steel clip or magnet
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**Model No.**  
MD-S-10  
MD-S-20

**Product**  
Chamlide MD  
Chamlide MD for magnetic special cover

