

Chamlide AC

Perfusion type water volume adjustable magnetic chamber



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

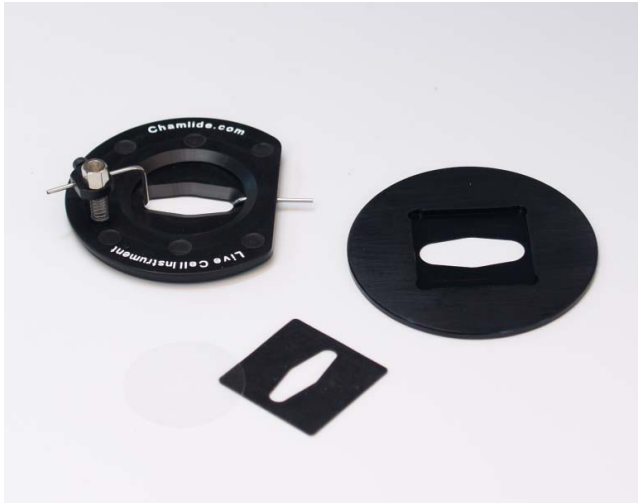


Specifications

Perfusion chamber 18ø coverslip type internal volume	Maximum 0.6 ml
Perfusion chamber 25ø coverslip type internal volume	Maximum 1.5 ml
Material	Main body Acetal component Bottom plate Black anodized aluminum alloy
Inlet/outlet port tubing size	1.0 mm (O.D)
Chamber physical dimension	Main body 55ø x 5T Bottom plate 55ø 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 the patch clamp)



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



Specifications

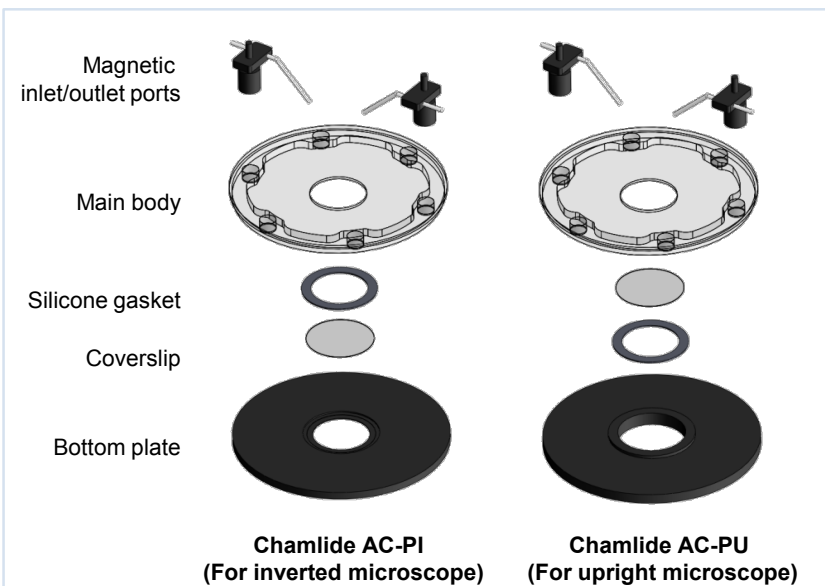
AC-P 18 ϕ coverslip type internal volume	Maximum 0.6 ml
AC-P 25 ϕ coverslip type internal volume	Maximum 1.5 ml
Material	Main body Acetal component Bottom plate Black anodized aluminum alloy
Inlet/outlet port tubing size	1.0 mm (O.D)
Chamber physical dimension	Main body 55 ϕ x 5T Bottom plate 55 ϕ x 2T

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

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



- For the patch clamp experiment
- The Chamlide AC-PI is the perfusion chamber for the inverted microscope and the Chamlide AC-PU is for the upright microscope
- The opening of the Chamlide AC-PI is wider than the Chamlide AC-PI/PU for access of external manipulators more easily.
- For convenience of the approach of the external manipulator, perfusion inlet/outlet ports can be moved using 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