

# SunHyun Organ Clearing Kit

[Cat. No. SHOC-001]

## Protocol for mouse whole brain organ clearing

### NOTE

1. Samples were fixed with 4% PFA at 4°C for more than 12 h.
2. Organ clearing solution incubated at 35°C for 1~2 h before use.

### Kit components

- |                            |          |
|----------------------------|----------|
| 1. Fixing Solution         | : 40 mL  |
| 2. Organ Clearing Solution | : 30 mL  |
| 3. Washing Solution        | : 100 mL |

### Storage

※ 4°C, for 6 month



## PROTOCOL

### Organ Clearing : Mouse Whole Brain (Size 13x15x10 mm)

1. Samples were fixed with **10 ml Fixing Solution** at 4°C for 24 h (If samples do not precipitation in 24 h, and then they should be fixed until precipitation).
2. Samples were incubated with **5 ml Organ Clearing Solution** in shaking incubator at 50 rpm/35°C for 36 h (Two times).
3. Samples were incubated with **20 ml Washing Solution** in shaking incubator at 4°C for 6 h (Two times).

\* When Samples has air bubbles which were centrifuged at 3,500 rpm/24 °C for 30 min.  
\* If it's not completely clearing of sample that should a step 2,3.

#### For mounting,

Samples were incubated with 5 ml Mounting and Storage Solution (MS-100) at 50 rpm/25°C for 24 h.

### Organ Clearing : Piece of Mouse Brain (Size 3x3x3 mm)

1. Samples were fixed with **800 µl Fixing Solution** at 4°C for 6 h (If samples do not precipitation in 6 h, and then they should be fixed until precipitation).
2. Samples were incubated with **600 µl Organ Clearing Solution** in shaking incubator at 50 rpm/35°C for 12 h.
3. Samples were incubated with **1 ml Washing Solution** in shaking incubator at 4°C for 6 h.

#### For mounting,

Samples were incubated with 0.5 ml Mounting and Storage solution (MS-100) at 50 rpm/25°C for 24 h.