

AntibodyArray™ Staining Apparatus

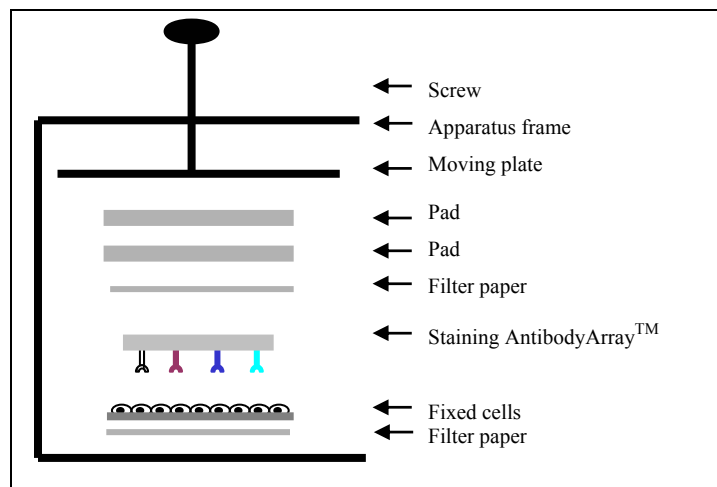
Catalog Number HM8000

I. INTRODUCTION

AntibodyArray™ staining is a method that enables the staining of a large number of antibodies simultaneously, each at a pre-determined position. This method can be used for examining protein expressions and protein sub-cellular localizations. For a complete description of the AntibodyArray™ staining procedure, please refer to the Manual for AntibodyArray™ staining.

The AntibodyArray™ staining apparatus is specially designed to facilitate the staining of cells with staining AntibodyArray™.

II. COMPONENTS OF ANTIBODYARRAY™ STAINING APPARATUS



III. SETUP OF THE STAINING

A. Assembly of various staining components:

Step I

1. Loosen the Screw to raise the Moving Plate.
2. Remove the Moving Plate and Screw from the Frame by sliding the Plate to the right.
3. Wet a piece of Filter Paper in PBS and lay it on the Apparatus frame.
4. Place the Fixed Cells on top of Filter Paper.

Step II

Place a Staining AntibodyArray™ on the Fixed Cells. The side containing antibodies should make contacts with cells. Avoid any air bulb between the Array and the Cells. After making contact, do not move the array or the cells.

Step III

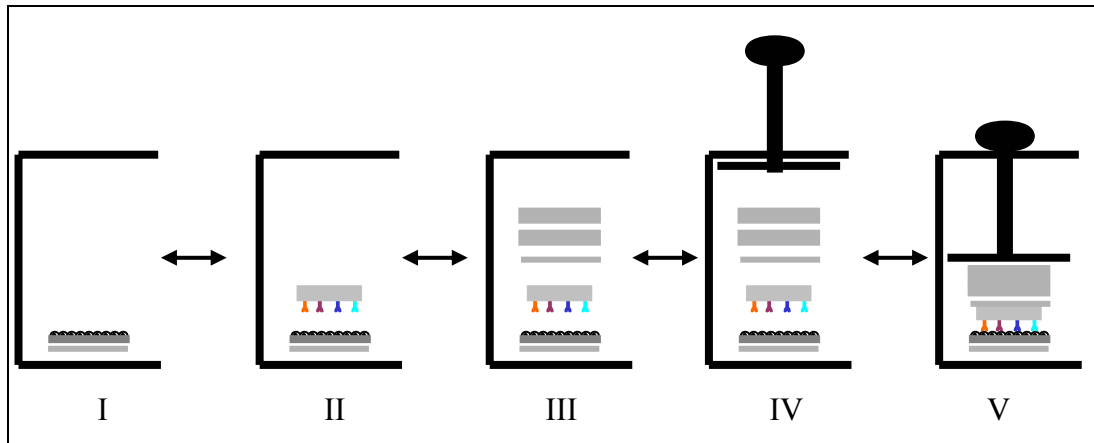
1. Wet a piece of Filter Paper in PBS
2. Lay the Filter Paper on Staining Antibody Array
3. Wet two Pads in PBS
4. Place the two Pads on top of the Filter Paper.

Step IV

Replace the Moving Plate by sliding it left so that it sits at the upper part of the Staining Apparatus.

Step V

1. Tighten the Screw to lower the Moving Plate until the Plate touches underlying layers.
2. Further lower the Moving Plate several millimeters to compress the Pads.



B. Disassembly of various staining components:

- Step I Loosen the Screw to raise the Moving Plate.
- Step II Slide the Plate to the right to release the Plate from the Frame.
- Step III Remove the two Pads and the top piece of Filter Paper.
- Step IV Remove the Staining AntibodyArray™.
- Step V Remove the Fixed Cells and Filter Paper from the Apparatus Frame; and put them into another container.
- Step VI Proceed to the next staining step.

IV. RELATED PRODUCTS FROM HYPROMATRIX

A. Staining AntibodyArray™s

Staining AntibodyArray™ I
Catalog Number HM8100

Trial Staining AntibodyArray™
Catalog Number HM8900

B. Secondary antibodies

Alexa 488 conjugated Goat anti-rabbit secondary antibody
Catalog Number HM2101

Alexa 488 conjugated Goat anti-mouse secondary antibody
Catalog Number HM2105

C. Others

Motorized ArrayStage for upright microscopes
Catalog Number HM8020

Motorized ArrayStage for inverted microscopes
Catalog Number HM8021