# Tutorial for browsing

# Mouse Basement Membrane Bodymap

Please note that Microsoft **Internet Explorer** (6.02 or higher) on **Windows PC** is needed to browse virtual slides.

# CONTENTS

# I. Browsing Mouse Basement Membrane Bodymap Database

## 1. Enter the bodymap database

A) Now you are at the Home page of Mouse Basement Membrane Bodymap **(1)**.

**(1)**



B) To view thumbnails, click Enter the Bodymap **(2)**, and then choose Bodymap Database (Tissue-based). A new window showing many thumbnails of mouse whole embryo slices stained with antibodies against basement membrane proteins will be displayed **(3)**.

**(3)**

## 2. Install the ZOOMA Flex viewer software
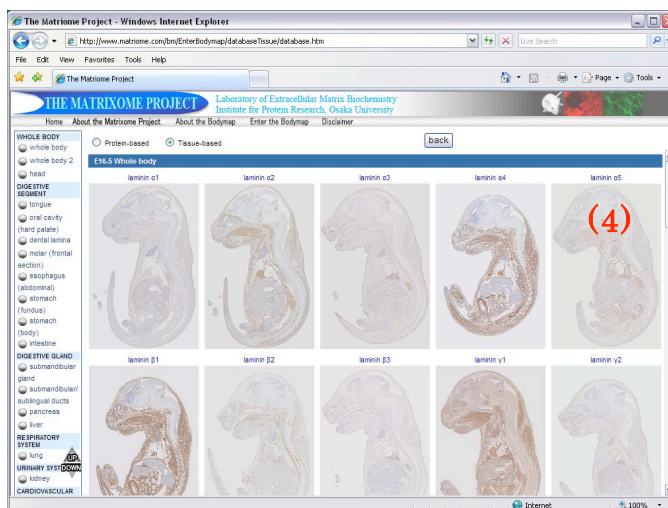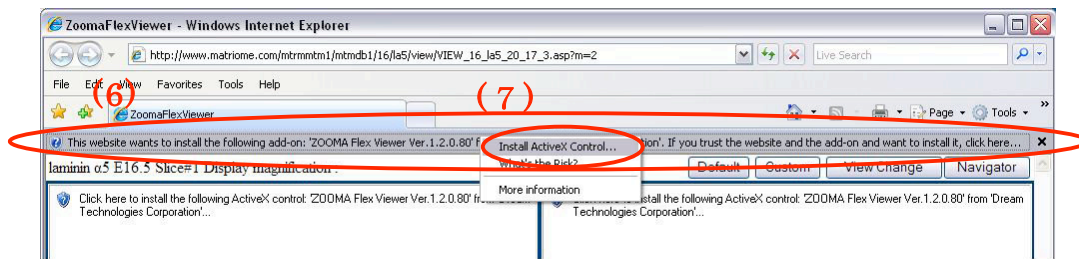
To view the virtual microscope slides, ZOOMA Flex viewer, Active X Control, needs to be installed on your computer.

A) Click on a thumbnail (e.g. laminin α5 **(4)**) and an alert will appear **(5)**. Close this window.
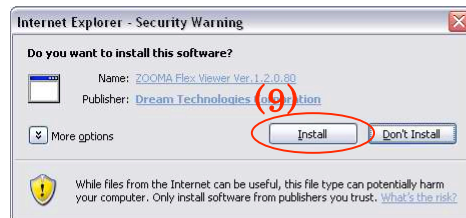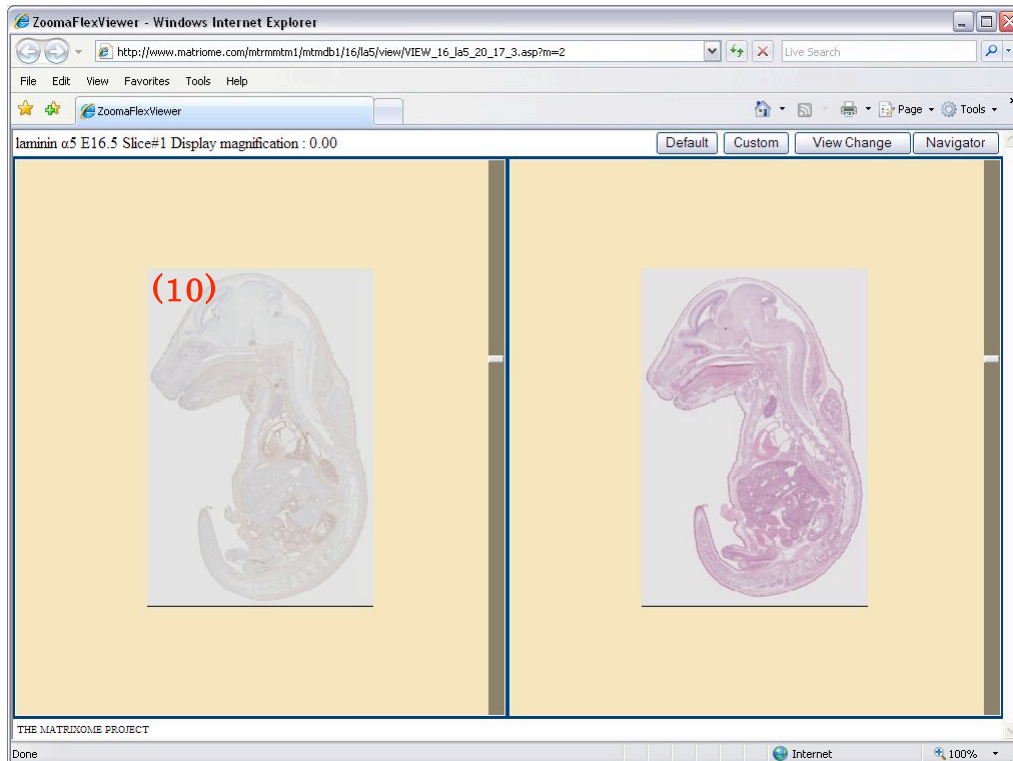
**(5)**



B) Click on the information bar **(6)**, choose **Install ActiveX Control** on the dropdown menu **(7)** and a security warning window will appear **(8)**.



**(8)**



C) Click **Install (9)** to install the ZOOMA Flex Viewer.

D) When installation is complete, virtual slides **(10)** will appear in a new window. If installation is not successful, please see "Settings for the ZOOMA Flex viewer" (page 4).

The movements of these two slides are synchronized. You can look in parallel at "identical" regions on slides from serial sections, which have been stained by different protocols, i.e. staining with antibodies (left image) and staining with hematoxylin/eosin (right image). Since hematoxylin/eosin staining is the most popular histochemical staining protocol, the synchronization between two slides stained immunohistochemically and histochemically should facilitate the identification of cell and tissue types in which the basement membranes are positively or negatively stained by specific antibodies.

## 3. How to view the virtual microscope slides

A)   Click once on the left image (10).

B)   To adjust the magnification of the images, scroll the mouse wheel forward (to zoom in) or backward (to zoom out).

C)   To move the images, hold down the right mouse button and drag the mouse in the direction you want look at.

## II. Supplementary Information

### 1. System Requirements

Memory: 128 MB of RAM or greater (256 MB is recommended)

Operating Systems: Windows 98SE

Windows Me

Windows 2000

Windows XP

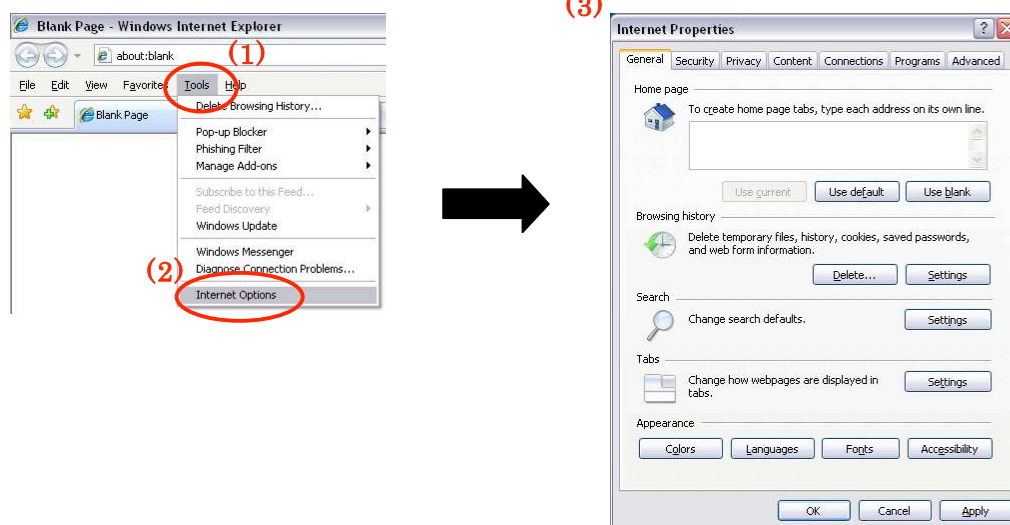Internet Browser: Internet Explorer 6.02

ActiveX

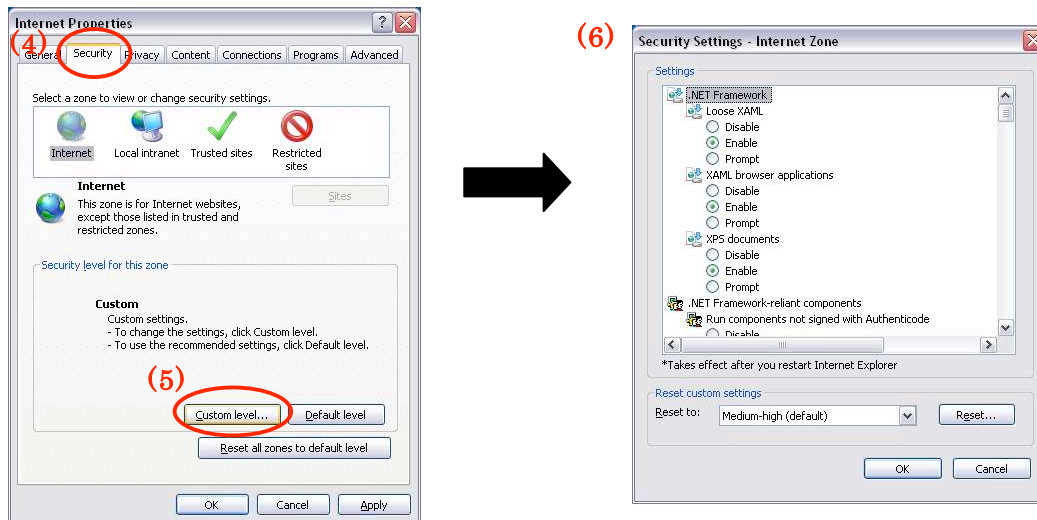Internet Connection: 64 kbps or faster modem

### 2. Settings for the ZOOMA Flex viewer

If installation of the ZOOMA Flex viewer is unsuccessful, you need to change the ActiveX settings on your computer as follows.
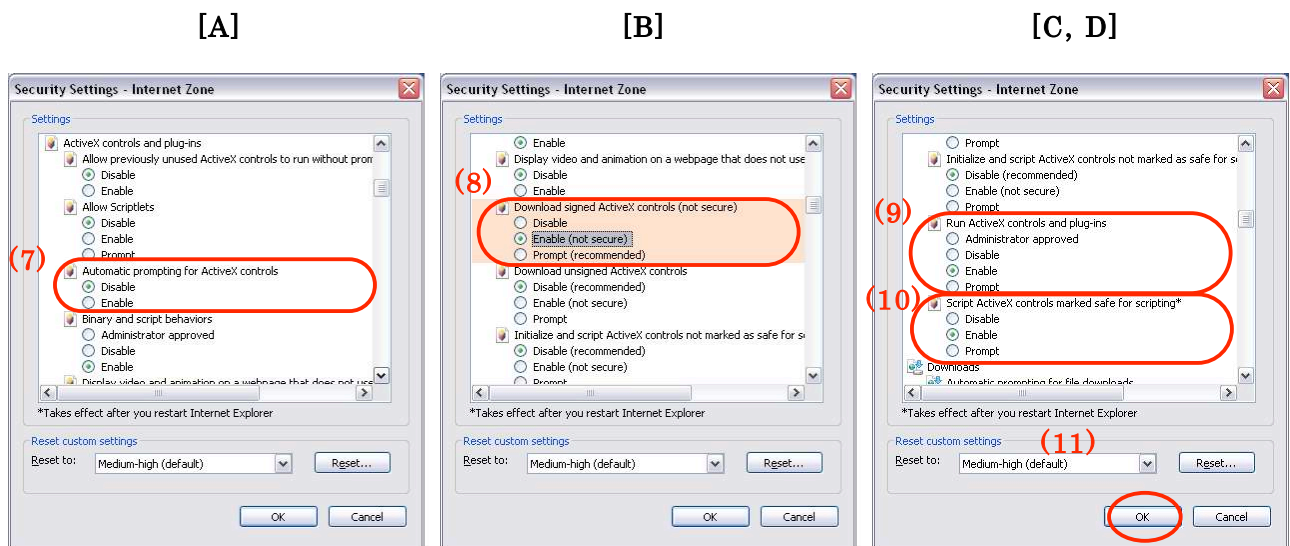
A)  Open Internet Explorer.
B)  On the **Tools** menu **(1)**, choose **Internet Options (2)** and the **Internet Properties** window **(3)** will be displayed.
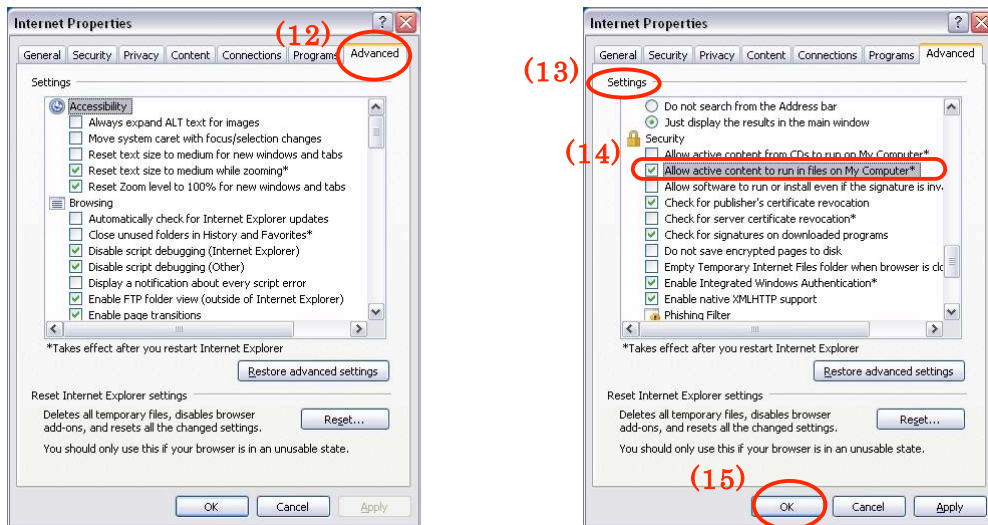
C) On the **Security** tab **(4)**, click **Custom level…** **(5)**, and the **Security Settings** window **(6)** will appear.



D) Click the corresponding buttons to enable or disable the ActiveX controls listed below.

    A. Disable **Automatic prompting for ActiveX controls** **(7)**

    B. Enable **Download signed ActiveX control (not secure)** **(8)**

    C. Enable **Run ActiveX control and plug-ins** **(9)**

    D. Enable **Script ActiveX controls marked safe for scripting** **(10)**

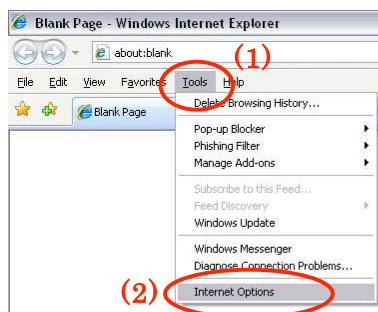[A]                           [B]                        [C, D]

E) Click **OK (11)** to exit the dialog box.

F) Click the **Advanced** tab **(12)**. In the **Settings** window **(13)**, click the **Allow active content to run in files on My Computer** check box **(14)**.
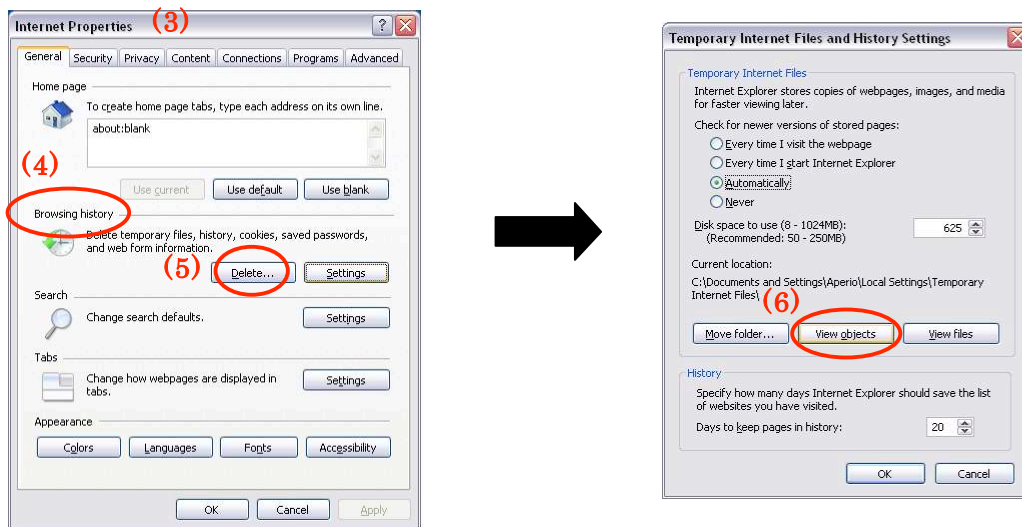


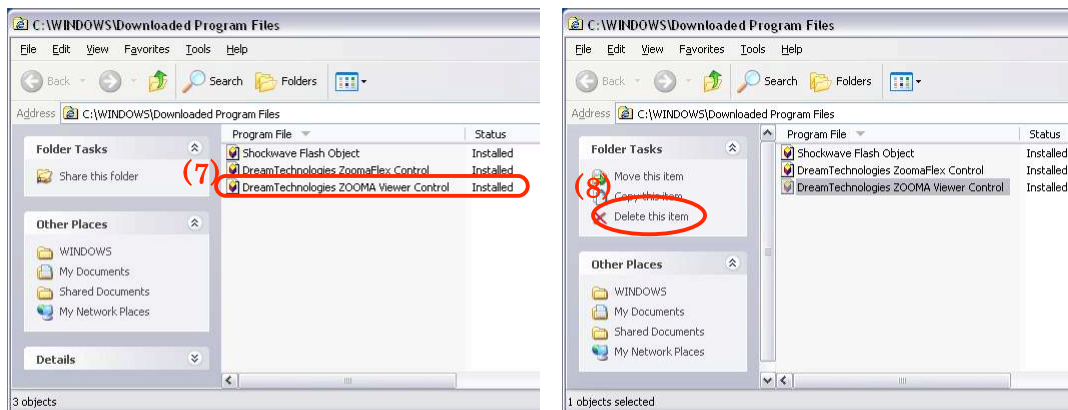G) Click **OK (15)** to exit the dialog box.

## 3. Uninstall the ZOOMA Flex viewer

A) Open Internet Explorer.

B) On the **Tools** menu **(1)**, choose **Internet Options (2)** and the **Internet Properties** window **(3)** will be displayed.

C) In the **Browsing history (4)**, click **Settings (5)** and then click **View objects (6)**.



D) Choose a program file **(7)** by clicking the file name, and then click **Delete this item (8)**.



E) Click **OK** to exit the dialog boxes.