

Dyversity Installation Quick Guide

■ System components

1. Dark room with Epi white (factory fitted)
2. Camera with lens factory fitted
3. Motorised sample tray
4. USB to serial/COM converter (only to be used if your PC does not have a serial/COM port)
5. GeneSnap and GeneTools software
6. All required cables

CAUTION: Do not connect power supply to any of the components until you are satisfied that everything is connected correctly. For assistance please contact your supplier or Syngene directly

■ Installation

Darkroom lighting

To install either the transilluminator or the Cy dye lighting unit

1. Open the darkroom door and place a small object against the micro-switch at the back of the darkroom
2. Then push the top sample tray button at the same time as pressing the black button positioned 5cms below the round shiny door magnet. This raises the stage and enables the lighting unit to be installed

Transilluminator set-up

3. Slide it between the runners located on each side
4. Connect the flying mains lead in the darkroom into the input socket on the rear of the transilluminator. Make sure the power button on the front is turned on

Cy dye lighting unit

5. Slide it between the runners located on each side. Connect the flying 7-way D-type connector

Camera set-up

1. Place the camera/lens /bracket assembly on the 4 screw studs (first remove lens cap if fitted) on top of the darkroom
2. Use 4xM4 nuts and shakeproof washers to attach the camera to the top of the darkroom
3. Some chemiluminescent systems require bellows to be connected to complete the light tight seal. To do this pull the gold coloured spring clip on the bellows unit towards you and angle the bellows so that they connect all round the base of lens. Release the spring clip to secure
4. Connect the camera to the power supply. To do this thread the pin of the power supply through the hole in the rear of the unit and plug it into the camera

5. Attach the USB cable to the camera and thread the cable back through the hole in the rear of the darkroom. DO NOT attach the free end of the USB cable to the high speed USB 2 port on the PC until the GeneSnap/Camera drivers have been installed
6. Place the hood on top of the darkroom to cover the camera/lens/bracket assembly. Ensure you connect the flying lead from the inside of the hood to the rear of the darkroom port labelled 'camera'
7. There is a rectangular hole in the back of the hood so that you do not trap the cables and a hole at the front for lens control

■ PC set-up

1. Set up the PC by attaching the monitor, keyboard and mouse into the appropriately labelled ports
2. Connect electrical power leads to each component. Turn on the PC (if you purchased the PC directly from Syngene then all the following software steps below will have been done for you. You will however have to accept the Windows operating licence and plug in the camera and serial cable)
3. Install the GeneSnap software following the instructions on screen (also refer to the hardware installation guide). Once installed then plug in the camera to a high speed USB 2 port on the PC, this will install the camera drivers
4. Connect the serial cable from the labelled port in the rear of the darkroom ('Darkroom/PC') directly to the serial port on the PC. If there is no serial port on the PC then use the supplied adapter and follow the instructions below

If you are using a serial converter then the following will occur:

5. Windows XP: In the welcome Found New Hardware Wizard dialog choose "No not this time" and Click "Next"; then choose "Install software automatically" then click "Finish"
6. Windows Vista: In the first dialog click on "Locate and install driver software". In the User Account Control dialog click on "Continue" then click "Yes, always search online". Then click "Next" until you reach window entitled "Windows can not verify the publisher of this driver software" Click "Next" to install correct driver software

Installing GeneTools software

7. If the CD does not auto-run then using Windows Explorer locate the InstallGeneTools.exe file on the CD
8. For hardware or network licensing you will have been supplied with a hardware key. For software licensing each PC will need a media key (found on the CD insert)

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