

Short user's manual

UV Transilluminator

EU cat. No : 730-1461,1462,1463,1464,1465,1466,1472,
1473,1474,1475,1476,1477,1478,1479,1480,1481,1482,1483 and 1488

Manufactured in UK

Safety and Operator Instructions

UV Safety Instructions

General Safety Instructions

Excising bands from gels

1. It is recommended that users wear the appropriate personal protection equipment (PPE), (including wearing clothing that covers the arms and hands).
2. As a minimum, VWR recommends the use of full-face shields that meet the necessary levels of UV protection. Check that the full-face shields are marked with the ANSI Z87.1 notation, (ANSI Z87.1-89, Practice for Occupational and Educational Eye and Face Protection, IBR approved for 29CFR1910.133(b)(1). For Europe full face shields that meet the standard will be marked with the EN 170:2002 notation (Personal eye-protection - Ultraviolet filters - Transmittance requirements and Recommended use).
3. It is also recommended that all users of UV should be familiar with the guidelines published by the various national authorities. In the USA these guidelines are published by OSHA (www.osha.gov) in their standard 29CFR1910. This provides up- to-date safety information and guidance. In the UK the HPA (www.hpa.org.uk) issues similar guidance.
4. Refer to DIRECTIVE 2006/25/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 5 April 2006 on the minimum health and safety requirements regarding the exposure of workers to risks arising from physical agents (19th individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) for the European guidelines.

VWR gel Image capture systems

Basic

1. The Basic image capture system consists of a UV transilluminator and a hood with an attached digital camera. Gels are placed on the UV transilluminator, covered with the hood and images acquired with the camera.
2. It is imperative that the hood covers the entire surface of the UV transilluminator to prevent UV exposure to the user.
3. To excise bands when the hood is not in place this can be done by using the appropriate PPE including wearing clothes that cover the arms and hands.

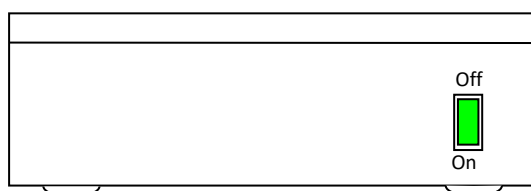
Smart systems: darkroom with sliding door and Imager/Chemi Premium darkroom

1. When the UV transilluminator is fully enclosed within the darkroom and the door closed, images can be acquired within VWR Image Capture software with no risk of UV exposure. Within the software there is a built-in mechanism for the UV cut-off if the door has not been fully closed, therefore, protecting the user.

Operator Instructions

UV transilluminator (used with VWR® SMART5, Imager2 and Chemi Premium systems)

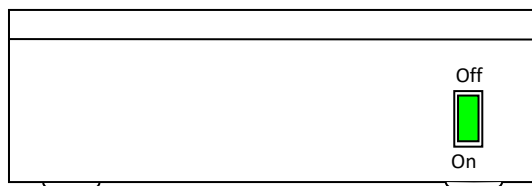
1. Note the switch arrangement is as shown in the diagram below. Make sure that the On/Off switch is in the Off position.



2. Plug the mains input to the unit and supply. DO NOT switch the unit on before checking that safety precautions have been observed.
3. Now switch the unit on and ensure the switch lamp illuminates and the lamps in the unit illuminate evenly.
4. Please switch off the unit when not in use.
5. If unit fails to light up, check that the mains display is present, that the On/Off switch is in the On position. If no fault can be found please contact VWR service department for assistance.

Benchtop Transilluminator (used with VWR® Basic system)

1. Note the switch arrangement is as shown in the diagram below. Make sure that the On/Off switch is in the Off position.



2. Plug the mains input to the unit and supply. DO NOT switch the unit on before checking that safety precautions have been observed.

3. Make sure the lid of the transilluminator is in the down position and now switch the unit on and ensure the switch lamp illuminates and the lamps in the unit illuminate evenly.
4. Please switch off the unit when not in use.
5. If unit fails to light up, check that the mains display is present, that the On/Off switch is in the On position. If no fault can be found please contact our service department for assistance.