

## **TRANSILLUMINATORS**

Genaxy Scientific Pvt. Ltd. offers Scientists an excellent range of bench top Transilluminators for various applications in the field of life sciences. Transilluminators are an indispensable part of today's life science labs and are routinely used for visualization of DNA/RNA and protein samples separated on agarose gels. Transillumination is the technique of sample illumination by transmission of light through the sample. During or immediately after electrophoresis of macromolecules such as DNA or RNA, the agarose gel is stained with a fluorescent dye which binds to nucleic acid. When this stained gel is exposed to a UV light source, the DNA fluoresces and becomes visible. This technique is useful for several applications such as sizing a PCR product, purifying DNA segment after a restriction enzyme digest, quantifying DNA or verifying RNA integrity after extraction.

Transilluminators are designed and manufactured to the highest possible specification. Different models are available for different applications. These include:

- **UV Transilluminators**
- **White Light Transilluminators**



**UV TRANSILLUMINATOR**

## **APPLICATIONS**

- To visualize DNA and RNA Fluorescence
- To visualize Proteins

## **FEATURES AND BENEFITS**

- Long life UV filters; UV filters are polished to give blemish free viewing of the gel.
- Highly polished filter surface facilitates gel transfer and positioning.
- UV Tubes with long tube life and excellent UV output and intensity.
- Fast start up which produces uniform distribution at the filter surface for better visualization.
- Large viewing area which accommodates most gel sizes.
- Protective, transparent hinged UV shield covering the entire viewing area and blocking 99.5% of UV radiation thus keeping whole operation extremely safe and simple; mounted by slip-hinges for easy removal and replacement.
- Excellent transmission efficiency for particular wavelength ensures highly detective sensitivity and increases the ability to capture weak signals.
- Unsurpassed UV intensity and outstanding irradiance uniformity enables visualization of even trace amounts of DNA.
- Low heating on prolonged use.
- MS steel frames that are chemical resistant and scratch proof making the models rugged.
- 8 watts provide sufficient intensity for routine applications.
- Compact size requiring less lab space.

## **TECHNICAL SPECIFICATION**

<b>Catalogue No.</b>	GENECO- UVT-RM
<b>Wavelength</b>	Dual
<b>Wavelength (in nm)</b>	312 nm & 365 nm
<b>No. of UV Tubes</b>	4 + 4 Nos.
<b>Filter Area</b>	20 cm x 20 cm
<b>Wattage</b>	8 Watts
<b>Body</b>	MS; Powder Coated
<b>UV Protection Shield</b>	Yes
<b>Filter</b>	UV Quartz Filter
<b>Input Voltage</b>	230V.50Hz.A.C.

### **Genaxy Scientific Pvt. Ltd**

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