

## UV Irradiator XGPU-1235L

The UV irradiator XGPU-1235L features high-quality 365nm ultraviolet tubes which simulate the effect of sunlight exposure and can test the reaction of samples under ultraviolet light irradiation. The UV irradiator XGPU-1235L is ideal for multiple UV induced experiments such as drug phototoxicity testing, UV induced skin aging, UV photochemical synthesis reactions, and photogenetic testing.

### Product Features

- High-performance UV tubes provide intense and uniform 365nm UV-A illumination.
- Three operation modes: TIME, ENERGY, and PRESET mode.
- The UV irradiator XGPU-1235L comes standard with a preset UV irradiation value of 5 J/cm<sup>2</sup>. The UVA dose of 5 J/cm<sup>2</sup> has no cytotoxicity on BALB/c 3T3 cells and is sufficient to trigger chemical induced toxicity reactions.
- The In vitro 3T3 NRU phototoxicity testing requires a UV irradiator to reduce the high cytotoxicity of UVB ultraviolet wavelength, while allowing UVA and visible light to pass through. The UVB energy of the XGPU UV irradiator XGPU-1235L only accounts for 1% of total UV energy, which meets the requirements for filtering UVB in phototoxicity testing and is close to the true UV irradiation effect.
- Equipped with a high-precision ultraviolet sensor, which collects data 5 times per second and is controlled by microprocessor programming.
- Two built-in cooling fans to control temperature. The temperature inside the UV exposure chamber will not exceed 37 degrees during irradiation.

### Technical Data

Wavelength: 365nm

Bulbs: 3-5 UV tubes (8 Watt)

Mode: Time/Energy/Preset Mode

Time: 00.00-99.59 minutes, or 000.0-599.5 minutes

Energy: 0.000-9.999 Joules, or 0.00-99.99 Joules

Preset: 9 preset values

External dimension (L x W x H): 34 x 35 x 31 cm

Internal dimension (L x W x H): 32 x 26 x 15 cm

Weight: 12 kg

Power: 100-240VAC, 50/60Hz

Startup Time: < 1 sec

