

# Important Safety Information on Ultraviolet Hazards



Go to [Q-lab.com/quvsafety](https://q-lab.com/quvsafety) for additional safety information and specimen mounting information.

- There is no Ultraviolet (UV) hazard from any QUV tester in normal operation with the doors closed.
- The QUV/uvc tester is equipped with additional light barriers to prevent any potentially-harmful stray UVC light from escaping the tester.
- QUV front and rear swing-up doors are equipped with interlock switches that shut off the UV lamps when either door is opened.
- Always STOP the test before opening QUV doors and removing test panels.
- Never look at lighted UV lamps without UV-absorbing goggles.
- Sunburn and eye inflammation are delayed reactions. Symptoms (pain, redness, hot sensation) may appear 4 to 12 hours after UV exposure.
- Threshold Limit Values (TLV) for UV exposure are published by the American Conference of Governmental Industrial Hygienists. The Threshold Limit Values should be used as guides for control of UV exposure.
- If exposure to UV lamps is necessary, wear UV-absorbing goggles. Protect skin with opaque clothing or a quality sunscreen lotion (e.g. 5 percent PABA).
- Individuals with light complexion are more susceptible to UV, and some individuals are allergic to UV. Many common medications increase your sensitivity to UV (including sunlight).
- Do not use QUV UV lamps for any purpose except QUV testing. UV lamps are not useful for plant growth or similar purposes.
- When discarding the lamps, disable them to prevent unauthorized use.
- To disable, remove two of the end-pins with a wire cutter or pliers (do not break lamps).
- For QUV testers equipped with optional quadrant boxes (Part Nos. V-60301-K and V-60292-K), an optional door interlock kit (Part No. V-60353-K) is available for the right front end of the QUV tester.
- The door interlock shuts off the lamps if a quadrant box is removed from either end of the QUV tester.
- The interlock is factory-installed with new QUV testers that have the 3D quadrant boxes.



## Warning - Risk of Burns. Limit Exposure. Use Protective Gear.



The lamps can only be viewed like this if you have a UC10/UV or UC10/CW smart sensor connected to disable the interlocks on QUV/se, QUV/spray, QUV/spray/rp, and QUV/cw models. The UC10/UVc does not disable the interlocks on QUV/uvc testers. See *Irradiance Calibration* in the Technical Manual.

	<h3>Threshold Limit Value (TLV) exposure limits:</h3> <ul style="list-style-type: none"><li>• One sample holder removed.</li><li>• Hand 50 mm from lamps (same as sample).</li><li>• Allowable daily exposure is 1 minute.</li></ul>
	<ul style="list-style-type: none"><li>• One sample holder removed.</li><li>• Hand 30 cm from lamps: allowable daily exposure 6 minutes.</li><li>• Face 1.0 m from lamps, allowable daily exposure 18 minutes.</li></ul>
	<ul style="list-style-type: none"><li>• All sample holders removed.</li><li>• Hand 30 cm from lamps: allowable daily exposure 2 minutes.</li><li>• Face 1.0 m from lamps, allowable daily exposure 6 minutes.</li></ul>



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