

Can UV light kill Covid-19? Most likely it is true. UV light can kill Covid-19, because the working principle of an UVC light with 254nm wavelength, is almost 100% efficiency to kill bacteria and viruses. Attached are the pictures of the UV lamp sterilization principle. Ultraviolet photons harm the DNA molecules of living organisms in different ways. In one common damage event, adjacent thymine bases bond with each other, instead of across the "ladder". This "thymine dimer" makes a bulge, and the distorted DNA molecule does not function properly.

I hope this answer will be useful.

UV lamp sterilization principle

Sterilization principles and characteristics :

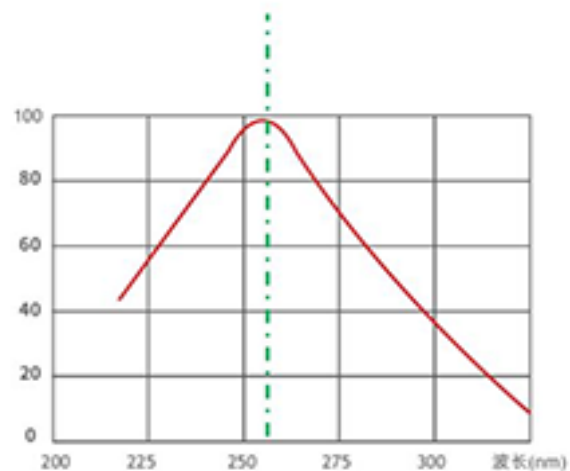
1. **254nm** wavelength is easily absorbed by the body, the main role of ultraviolet light in the biological DNA of the genetic material, ultraviolet radiation can make DNA molecular bond rupture, resulting in bacteria can not breed and die.

2. **185nm** wavelength can be oxygen in the air to produce ionized oxygen ions and free oxygen ions, labile, combined with the oxygen in the air to produce ozone having a strong oxidizing effect, the ozone can be effectively kill bacteria.

3. In the process of ultraviolet light killing all kinds of bacteria, do not need to add any chemicals, are purely physical disinfection methods, no secondary pollution.

GMJ

UV sterilization efficiency in different wavelength



How dose UVC light kill the bacteria and virus?

