



E. coli (NBRC3972)

Testing Institution: Japan Food Research Laboratories, a general incorporated foundation.

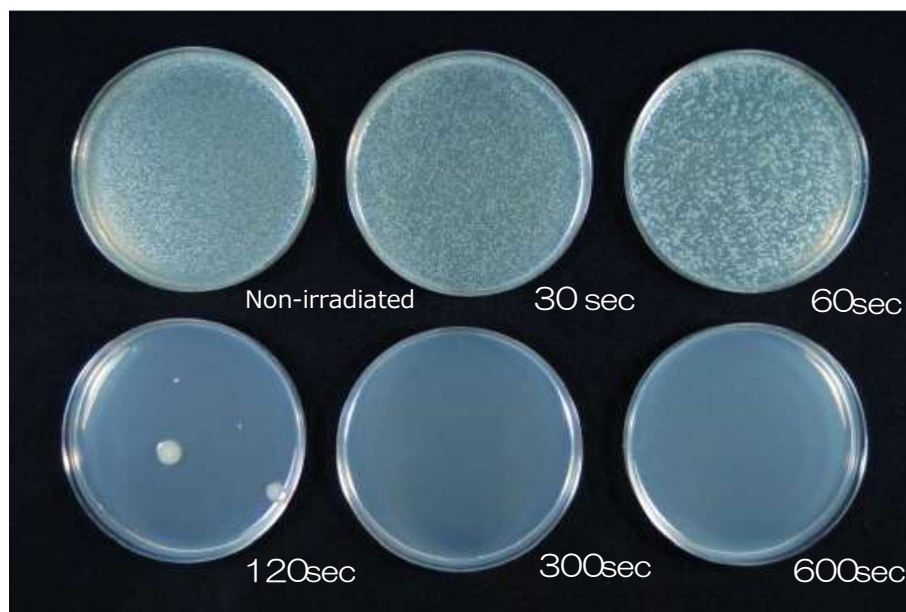
◆ Test conditions

Wavelength	280nm
IF	20mA
Center illuminance	0.163mW/cm ²
Distance	22mm

◆ Test method

A predetermined amount of diluted bacterial solution in a container is irradiated with deep ultraviolet LED for a set period of time. The bacterial solution is then cultured in an agar medium.

◆ Cultivation results



◆ Test results

Irradiation Time (seconds)	Non-irradiated	30	60	120	300	600
Ultraviolet irradiation energy (mJ/cm ²)	—	4.89	9.78	19.56	48.9	97.8
Inactivation rate (%)	—	38	82	99.999	≥99.999	≥99.999