

Supplementary material

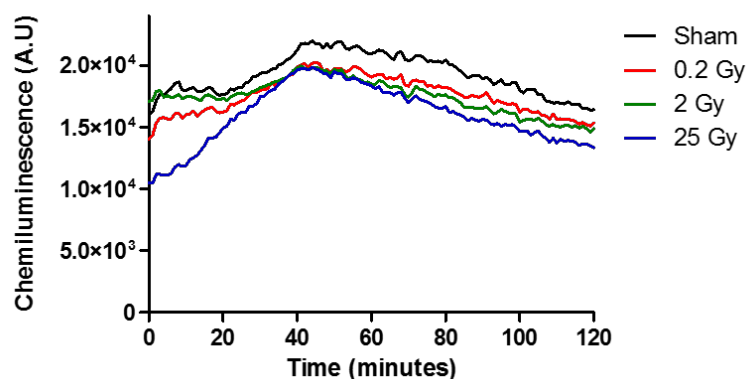


Figure S1. Chemiluminescence plot generated by unstimulated PLB-985 cells. ROS produced by PLB-985 cells after irradiations were detected using chemiluminescence during 2 hours by the reaction of HRP and luminol base L-012

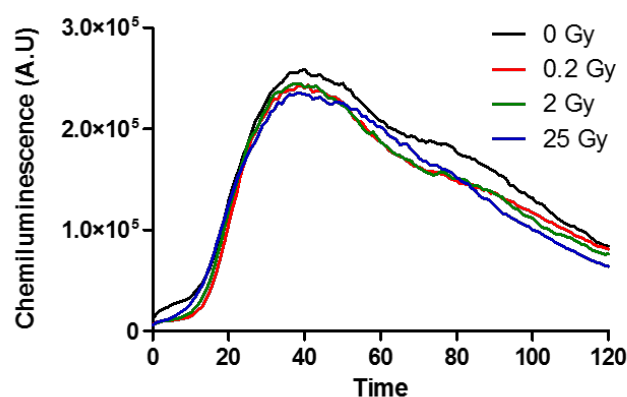


Figure S2. Chemiluminescence plot generated by phagocytosing PLB-985 cells. ROS produced by PLB-985 cells after irradiations were detected using chemiluminescence during 2 hours by the reaction of HRP and luminol base L-012

Table S1. Doses, dose rates and the total amount of OH radicals generated

Dose rate (Gy/min)	Irradiation time (min)	Dose received (Gy)	Total amount of OH radicals
0.2	1	0.2	56 nM
0.2	10	2	5.6 μ M
21.5	1.2	25.8	72 μ M