Electronic Supplementary Material (ESI) for RSC Advances.


# Supporting information

for

# Selenium substitution endows cystine radiosensitization activity against cervical cancer Hela cells

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## Results

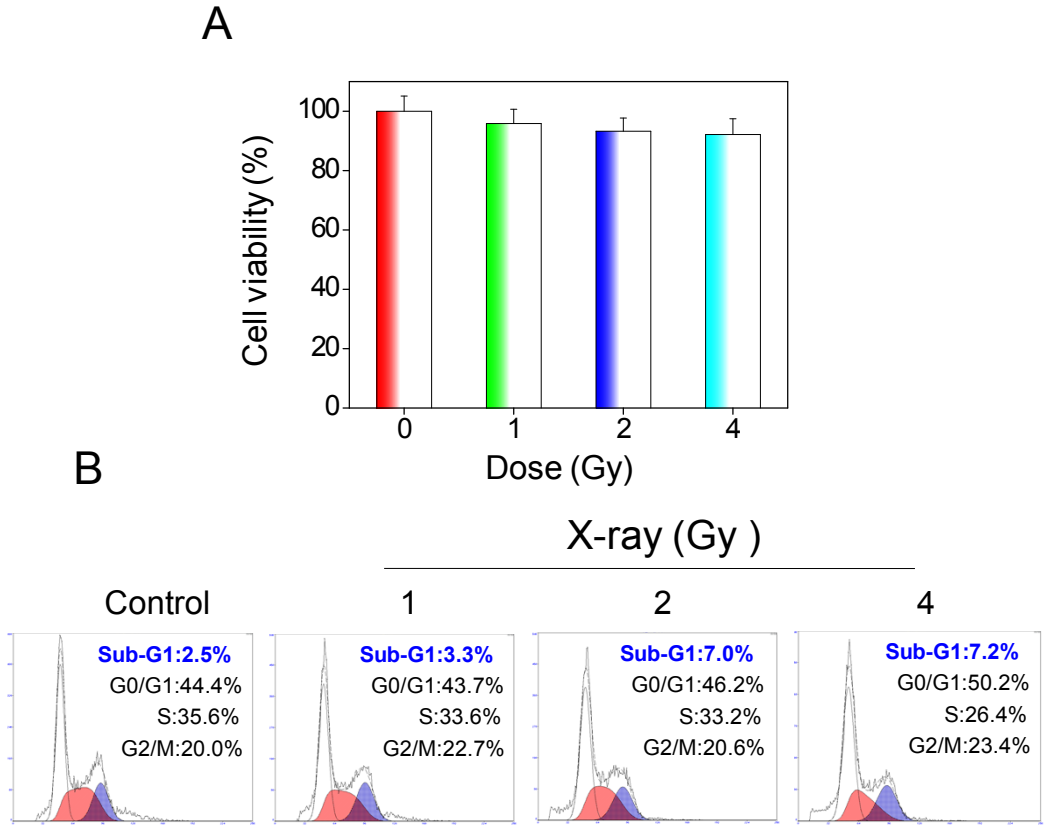


**Figure S1. Effects of X-ray on Hela cells growth.** (A) Viability of Hela cells treated by different doses of X-ray, and then cultured for 24 h. (B) Flow cytometric analysis of Hela cells exposed to X-ray at 1-4 Gy and cultured for 24 h.

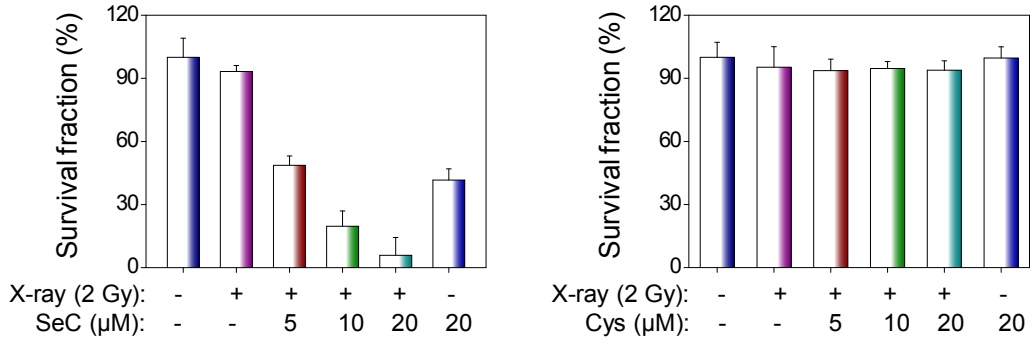


**Figure S2.** Survival fraction of Hela cells treated with SeC or Cys with or without X-ray by clonogenic assay.

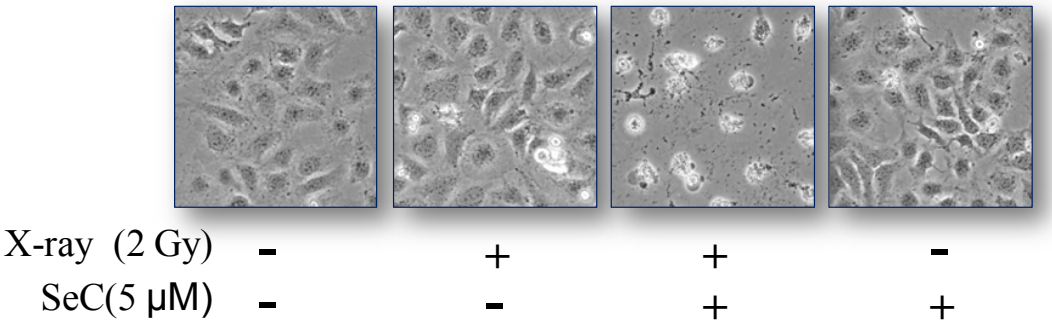


**Figure S3** Effects of SeC and X-ray on Hela cell morphology. Cells were treated with SeC for 2 h, exposed to X-ray (2 Gy) and then cultured for 24 h.

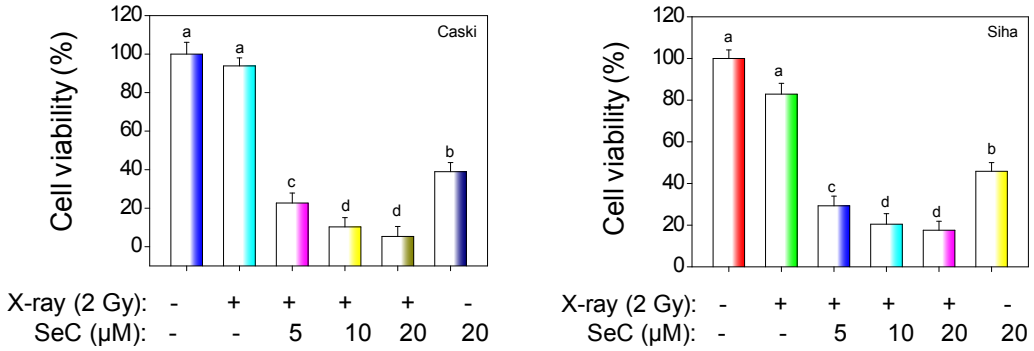


**Figure S4.** Viability of Caski and Siha cells treated with SeC and X-ray. Cell viability was determined by MTT assay.