**Supplementary Table 2A. Proliferation results of combined treatment of luteolin and radiation**.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Single treatment** | | **Combined treatment** | | | CI | **Combined**  **Effect** |
| Radiation dose /Gy | Cell confluence | Luteolin dose/μM | Radiation dose /Gy | Cell confluence |
| **U251** |  |  |  |  |  |  |
| 0 | 100 | 1.5 | 0 | 95.51 |  |  |
| 5 | 87.21 | 1.5 | 5 | 74.95 | 0.890 | **synergistic** |
| 7.5 | 82.86 | 1.5 | 7.5 | 55.88 | 0.698 | **synergistic** |
| 10 | 72.83 | 1.5 | 10 | 40.42 | 0.575 | **synergistic** |
| **U343** |  |  |  |  |  |  |
| 0 | 100 | 5 | 0 | 83.54 |  |  |
| 2.5 | 80.24 | 5 | 2.5 | 51.54 | 0.769 | **synergistic** |
| 5 | 70.23 | 5 | 5 | 44.75 | 0.763 | **synergistic** |
| 7.5 | 57.58 | 5 | 7.5 | 36.20 | 0.753 | **synergistic** |

**Supplementary Table 2B. Colony formation results of combined treatment of luteolin and radiation.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Single treatment | | Combined treatment | | | CI | **Combined**  **Effect** |
| Radiation dose /Gy | Relative OD560nm | Luteolin dose/μM | Radiation dose /Gy | Relative OD560nm |
| **U251** |  |  |  |  |  |  |
| 0 | 1 | 1.5 | 0 | 0.945 |  |  |
| 5 | 0.821 | 1.5 | 5 | 0.599 | 0.772 | **synergistic** |
| 7.5 | 0.773 | 1.5 | 7.5 | 0.419 | 0.573 | **synergistic** |
| 10 | 0.644 | 1.5 | 10 | 0.299 | 0.491 | **synergistic** |
| **U343** |  |  |  |  |  |  |
| 0 | 1 | 5 | 0 | 0.897 |  |  |
| 2.5 | 0.847 | 5 | 2.5 | 0.566 | 0.746 | **synergistic** |
| 5 | 0.664 | 5 | 5 | 0.368 | 0.617 | **synergistic** |
| 7.5 | 0.344 | 5 | 7.5 | 0.186 | 0.603 | **synergistic** |