

Supplementary materials

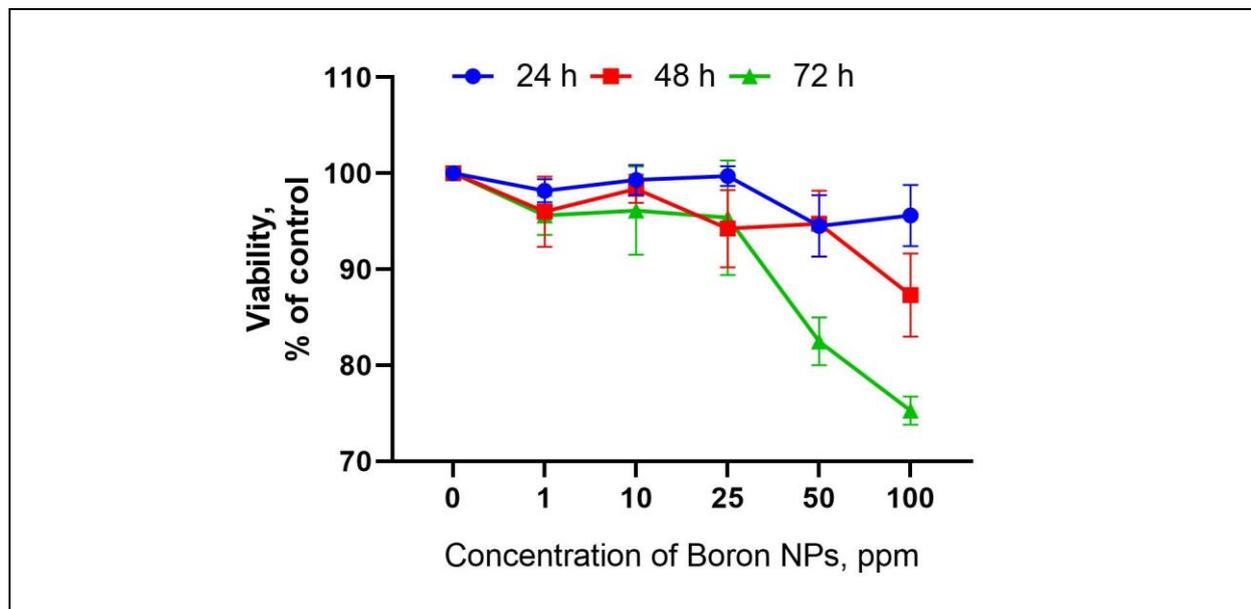


Figure S1. Cell viability via MTT assay after 24, 48 and 72 hours of incubation with boron nanoparticles.

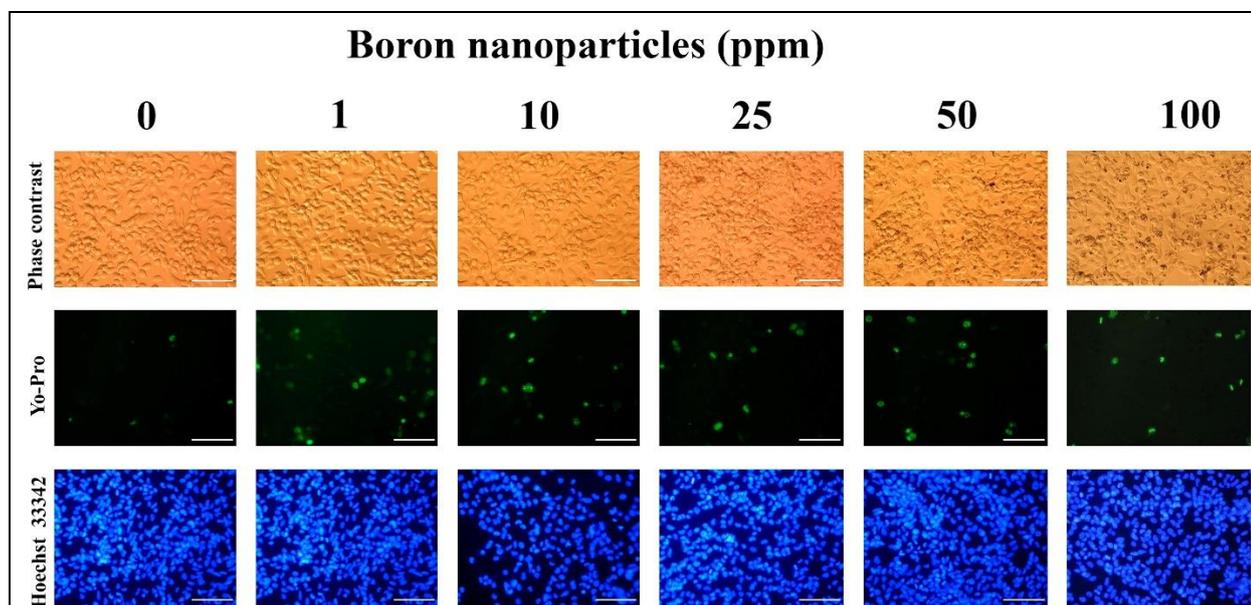


Figure S2. Analysis of cell morphology, apoptosis and Live/Dead assay 24 hours after incubation with boron nanoparticles. Scale bar—100 μ m

Boron nanoparticles (ppm)

0 1 10 25 50 100

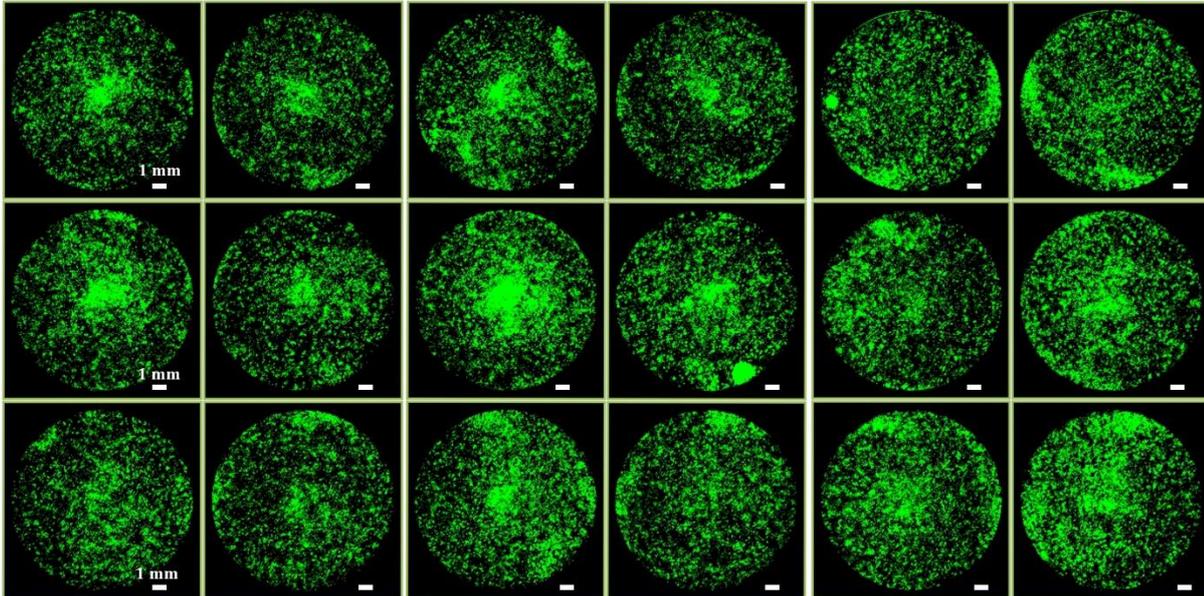


Figure S3. Clonogenic assay after 24, 48 and 72 hours of incubation with boron nanoparticles. Scale bar—1 mm

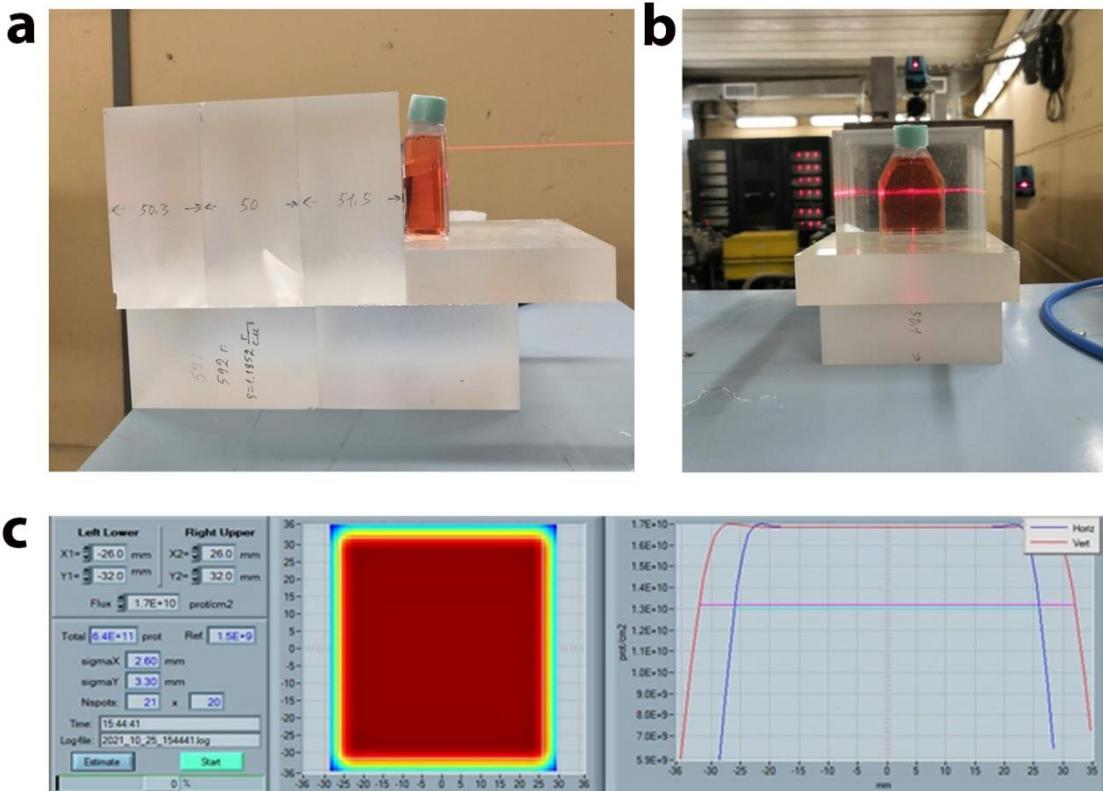


Figure S4. Scheme of irradiation of culture flasks (a, b) and dose distribution in the module for calculating the irradiation zone with a graph of dose distribution along the central horizontal and vertical axes (c).

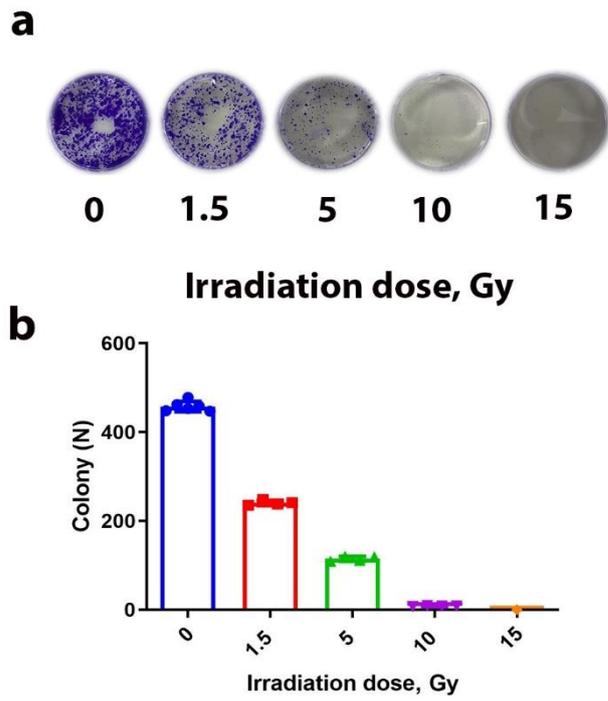


Figure S5. Dose-dependent response of clonogenic activity after proton beam irradiation in the Bragg peak.