

SIMULATION OF THE DYNAMICS IN THE SYSTEM 'CELLS-VIRUSES- NANOPARTICLES'

Interaction in the system 'cells-viruses- nanoparticles' has been simulated. The case of the viruses 'pretreatment' with nanoparticles and their further introduction to the cell culture has been considered. The model takes into account the growth restriction and the probability of adsorption and desorption. The model can be useful in medical physics while studying the virucidal action of nanoparticles and other medicines for explaining the experimental results and for evaluation of the viruses amount.

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