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Přednáška: Implementation and optimization of methodology for cocultivation of eukaryotic and prokaryotic cells

Anotace: Co-cultivation of eukaryotic and prokaryotic cells represents a method that allows simultaneous testing of biocompatibility and antibacterial properties of materials. Nowadays, these properties are tested separately, which does not allow capturing real in vivo conditions. Developing a methodology for co-culturing different types of human cell lines with selected bacterial pathogens and commensal strains would help standardize the approach to testing material properties for biomedical applications.