

THE BIOCOMPATIBILITY OF MEMBRANES FOR IMMUNOISOLATION

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Abstract

The assessment of biocompatibility of systems consisting of a host, permiselective membrane and a biological material, encapsulated within may be standardized for biological material immunoisolation purposes. The procedures for evaluation of the membrane non-toxicity against the biological material, the membrane physical and chemical stability post implantation and the biomaterial ability to perform with the host are presented.

K e y w o r d s: encapsulation, hollow fibers, membrane stability, membrane non-toxicity, biomaterial performance with the host