

Biomaterials

Biomaterials used in surgical devices, provide needs in such diverse surgical disciplines as ophthalmology, cardiology, neuromuscular surgery, orthopaedics and dentistry. All biomaterials have one thing in common; they must have intimate contact with patient's tissue or body fluid, providing a real physical interface. Thus biomaterials must be compatible with body tissues mechanically, chemically as well as pharmacologically. To research these materials the investigator needs to have a range of techniques for materials production, measurement of strength and surface properties and in vitro and in vivo techniques for biocompatibility evaluations

Controlled release system for antibiotic and drug delivery

Hydrogels membranes with water contents in the range of 60-70% and good biocompatibility were evaluated. These membranes prepared from Chitosan blended with synthetic polymer gave good Controlled release system for antibiotic and drug delivery. Risbud, M. V.; Bhat, S. V. *et al.* **2000** *Journal of Materials Science: Materials in Medicine* 20 01, 12(1), 75-79; *Journal of Controlled Release*, 68(1), 23-30.

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