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Indexed keywords

Benzonic acid; Buffer solutions; Calcium alginate; Controlled release; Cross linking agents; Crosslinking ratio; Diffusion cells; Drug release; Electric field strength; Electrode polarities; Folic acids; Mesh size; Acellular drugs; Release mechanism; Tannic acid; Transdermal drug delivery systems

Engineering controlled terms: Alginates; Calcium; Calcium chloride; Carboxylic acids; Diffusion; Electric fields

Engineering main heading: Hydrogels

EMTREE drug terms: alginic acid; benzoic acid; buffer; calcium chloride; folic acid; monomer; tannin

EMTREE medical terms: article; chemical composition; controlled release formulation; cross linking; diffusion coefficient; drug delivery system; drug release; electric field; hydrogel; molecular weight; pH; priority journal; static electricity; temperature

MeSH: Alginates; Drug Carriers; Electricity; Hydrogels; Models, Theoretical

Medline is the source for the MeSH terms of this document.

Chemicals and CAS Registry Numbers: alginic acid, 29961-37-7, 29894-36-4, 9005-32-7, 9005-38-3; benzoic acid, 532-32-1, 582-25-2, 65-85-0, 766-76-7; calcium chloride, 10043-52-4; folic acid, 59-30-3, 8484-89-5; tannin, 1401-55-4; Alginates; Drug Carriers; Hydrogels

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Gupta, P., Vermani, K., Garg, S.
1 Hydrogels: From controlled release to pH-responsive drug delivery