

Towards the Development of a Bioartificial Pancreas: Encapsulated Islet-Like Beads with BTC3 Cells

Cell Transplantation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Effects of alginate composition on the metabolic, secretory, and growth characteristics of entrapped \hat{I}^2 TC3 mouse insulinoma cells. <i>Biomaterials</i> , 1999, 20, 2019-2027.	5.7	65
2	Microfabricated biocapsules provide short-term immunoisolation of insulinoma xenografts. <i>Biomedical Microdevices</i> , 1999, 1, 131-138.	1.4	85
3	Development of a bioartificial pancreas: I. Long-term propagation and basal and induced secretion from entrapped \hat{I}^2 TC3 cell cultures. <i>Biotechnology and Bioengineering</i> , 1999, 66, 219-230.	1.7	56
4	Development of a bioartificial pancreas: II. Effects of oxygen on long-term entrapped \hat{I}^2 TC3 cell cultures. <i>Biotechnology and Bioengineering</i> , 1999, 66, 231-237.	1.7	57
5	Article Commentary: Immunoisolation of Cells and Tissues for Transplantation. <i>Cell Transplantation</i> , 1999, 8, 577-579.	1.2	7
6	Effects of Short-Term Hypoxia on a Transformed Cell-Based Bioartificial Pancreatic Construct. <i>Cell Transplantation</i> , 2000, 9, 415-422.	1.2	27
7	In Vitro Monitoring of Total Choline Levels in a Bioartificial Pancreas: ^1H NMR Spectroscopic Studies of the Effects of Oxygen Level. <i>Journal of Magnetic Resonance</i> , 2000, 146, 49-57.	1.2	28
8	Hydrogel-Based Non-Autologous Cell and Tissue Therapy. <i>BioTechniques</i> , 2000, 29, 564-581.	0.8	87
9	Engineering Challenges in the Development of an Encapsulated Cell System for Treatment of Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2000, 2, 81-89.	2.4	13
10	Neuroprotective strategies for basal ganglia degeneration: Parkinson's and Huntington's diseases. <i>Progress in Neurobiology</i> , 2000, 60, 409-470.	2.8	251
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13	Microencapsulation of Cells Producing Therapeutic Proteins: Optimizing Cell Growth and Secretion. <i>Cell Transplantation</i> , 2002, 11, 313-324.	1.2	79
14	Effects of Alginate Composition on the Growth and Overall Metabolic Activity of \hat{I}^2 TC3 Cells. <i>Annals of the New York Academy of Sciences</i> , 2002, 961, 130-133.	1.8	14
15	NMR properties of alginate microbeads. <i>Biomaterials</i> , 2003, 24, 4941-4948.	5.7	59
16	The Effects of Poly(Ethyleneimine) (PEI) Molecular Weight on Reinforcement of Alginate Hydrogels. <i>Cell Transplantation</i> , 2003, 12, 779-785.	1.2	48
17	Alginate as a Carrier for Cell Immobilisation. <i>Focus on Biotechnology</i> , 2004, , 33-51.	0.4	17
18	Intrasplenic Transplantation of Encapsulated Genetically Engineered Mouse Insulinoma Cells Reverses Streptozotocin-Induced Diabetes in Rats. <i>Cell Transplantation</i> , 2005, 14, 411-421.	1.2	23

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19	Effects of growth regulation on conditionally-transformed alginate-entrapped insulin secreting cell lines in vitro. <i>Biomaterials</i> , 2005, 26, 4633-4641.	5.7	26
20	Cell Encapsulation Therapy for Malignant Gliomas. <i>Focus on Biotechnology</i> , 2005, , 211-227.	0.4	1
21	Alginate assessment by NMR microscopy. <i>Journal of Materials Science: Materials in Medicine</i> , 2005, 16, 511-514.	1.7	9
22	Non-invasive Monitoring of a Bioartificial Pancreas <i>in Vitro</i> and <i>in Vivo</i> . <i>Annals of the New York Academy of Sciences</i> , 2001, 944, 83-95.	1.8	8
23	Improved activity of streptozotocin-selected insulinoma cells following microencapsulation and transplantation into diabetic mice. <i>Cell Biology International</i> , 2006, 30, 138-143.	1.4	8
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28	Alginate as an immobilization material for MAb production via encapsulated hybridoma cells. <i>Critical Reviews in Biotechnology</i> , 2010, 30, 145-159.	5.1	32
29	Bioconjugation via azide-Staudinger ligation: an overview. <i>Chemical Society Reviews</i> , 2011, 40, 4840.	18.7	271
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33	A 4.7 T/11.1 T NMR Compliant 50 nW Wirelessly Programmable Implant for Bioartificial Pancreas <i>in Vivo</i> Monitoring. <i>IEEE Journal of Solid-State Circuits</i> , 2016, 51, 473-483.	3.5	5
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