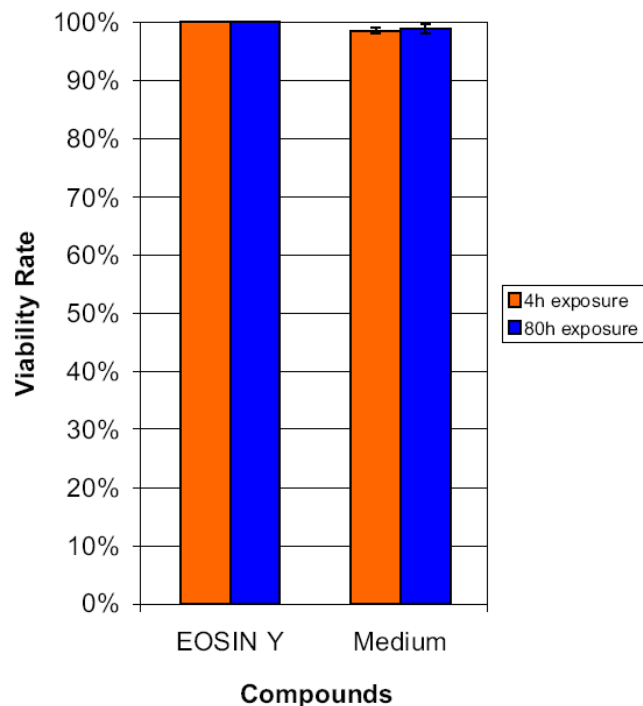
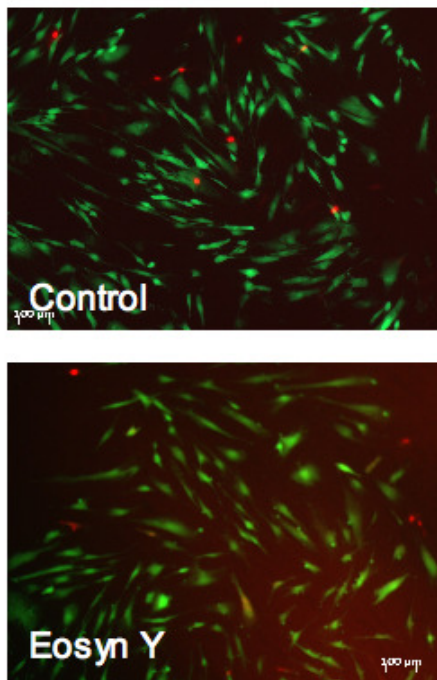


Proof of principle:

Data demonstrating the cytocompatibility and potential of the Bio Factory's photoinitiator Eosin Y

Cytotoxicity analysis:



Cytotoxicity analysis showed no statistical difference in cell viability between standard cell culture conditions and Eosin Y treatment (cell culture: primary human dermal fibroblasts).

Publications:

- 1: Missirlis D, Kawamura R, Tirelli N, Hubbell JA.
Doxorubicin encapsulation and diffusional release from stable, polymeric, hydrogel nanoparticles.
Eur J Pharm Sci. 2006 Oct 1;29(2):120-9. Epub 2006 Jun 17.
PMID: 16904301 [PubMed - indexed for MEDLINE]
- 4: Park YD, Tirelli N, Hubbell JA.
Photopolymerized hyaluronic acid-based hydrogels and interpenetrating networks.
Biomaterials. 2003 Mar;24(6):893-900.
PMID: 12504509 [PubMed - indexed for MEDLINE]
- 6: Elbert DL, Hubbell JA.
Conjugate addition reactions combined with freeradical cross-linking for the design of materials for tissue engineering.
Biomacromolecules. 2001 Summer;2(2):430-41.
PMID: 11749203 [PubMed - indexed for MEDLINE]
- 7: Cruise GM, Hegre OD, Lamberti FV, Hager SR, Hill R, Scharp DS, Hubbell JA.
In vitro and in vivo performance of porcine islets encapsulated in interfacially photopolymerized poly(ethylene glycol) diacrylate membranes.
Cell Transplant. 1999 May-Jun;8(3):293-306.
PMID: 10442742 [PubMed - indexed for MEDLINE]

- 9: Cruise GM, Hegre OD, Scharp DS, Hubbell JA.
A sensitivity study of the key parameters in the interfacial photopolymerization of poly(ethylene glycol) diacrylate upon porcine islets.
Biotechnol Bioeng. 1998 Mar 20;57(6):655-65.
PMID: 10099245 [PubMed - indexed for MEDLINE]
- 10: Chowdhury SM, Hubbell JA.
Adhesion prevention with ancrond released via a tissue adherent hydrogel.
J Surg Res. 1996 Feb 15;61(1):58-64.
PMID: 8769943 [PubMed - indexed for MEDLINE]
- 11: Hill-West JL, Dunn RC, Hubbell JA.
Local release of fibrinolytic agents for adhesion prevention.
J Surg Res. 1995 Dec;59(6):759-63.
PMID: 8538178 [PubMed - indexed for MEDLINE]
- 13: Hill-West JL, Chowdhury SM, Slepian MJ, Hubbell JA.
Inhibition of thrombosis and intimal thickening by in situ photopolymerization of thin hydrogel barriers.
Proc Natl Acad Sci U S A. 1994 Jun 21;91(13):5967-71.
PMID: 8016098 [PubMed - indexed for MEDLINE]
- 14: Hill-West JL, Chowdhury SM, Sawhney AS, Pathak CP, Dunn RC, Hubbell JA.
Prevention of postoperative adhesions in the rat by in situ photopolymerization of bioresorbable hydrogel barriers.
Obstet Gynecol. 1994 Jan;83(1):59-64.
PMID: 8272310 [PubMed - indexed for MEDLINE]
- 15: Sawhney AS, Pathak CP, Hubbell JA.
Interfacial photopolymerization of poly(ethylene glycol)-based hydrogels upon alginate-poly(l-lysine) microcapsules for enhanced biocompatibility.
Biomaterials. 1993 Oct;14(13):1008-16.
PMID: 8286667 [PubMed - indexed for MEDLINE]



Device Classification Name	Eosin Y
510(K) Number	K821574
Device Name	EOSIN Y SOLUTIN, AGUEOUS
Applicant	SIGMA CHEMICAL CO.
Contact	
Regulation Number	864.1850
Classification Product Code	HYB
Date Received	05/27/1982
Decision Date	06/10/1982
Decision	Substantially Equivalent (SE)
Classification Advisory Committee	Pathology
Review Advisory Committee	Pathology
Type	Traditional
Reviewed By Third Party	No
Expedited Review	