

Accepted Manuscript

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PII: S0141-8130(15)00594-2
DOI: <http://dx.doi.org/doi:10.1016/j.ijbiomac.2015.08.047>
Reference: BIOMAC 5315

To appear in: *International Journal of Biological Macromolecules*

Received date: 5-2-2015
Revised date: 20-8-2015
Accepted date: 21-8-2015

Please cite this article as: J. Padrão, R. Machado, M. Casal, S. Lanceros-Méndez, L.R. Rodrigues, F. Dourado, V. Sencadas, Antibacterial performance of bovine lactoferrin-fish gelatine electrospun membranes, *International Journal of Biological Macromolecules* (2015), <http://dx.doi.org/10.1016/j.ijbiomac.2015.08.047>

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Antibacterial performance of bovine lactoferrin-fish gelatine electrospun membranes

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KEYWORDS

Electrospinning, fish gelatine, bovine lactoferrin membranes, bactericidal, proteins

ABSTRACT. The increase of antibiotic resistant microorganisms urged the development and synthesis of novel antimicrobial biomaterials to be employed in a broad range of applications, ranging from food packaging to medical devices. This work describes the production and characterization of a protein-based electrospun fibrous membranes bearing antimicrobial properties. Its composition is exclusively comprised of proteins, with fish gelatine as structural matrix and bovine lactoferrin (bLF) as the active antimicrobial agent. The bLF bactericidal effect

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