



Supplementary Materials

Multilayer Electrospun Scaffolds of Opposite-Charged Chitosans

Cristian Balducci ¹, Martina Roso ¹, Annj Zamuner ^{1,2}, Lucia Falcigno ³, Gabriella D'Auria ³, Paola Brun ⁴ and Monica Dettin ^{1,*}

¹ Department of Industrial Engineering, University of Padova, Via Marzolo 9, 35131 Padova, Italy; cristian.balducci@phd.unipd.it (C.B.); martina.roso@unipd.it (M.R.); annj.zamuner@unipd.it (A.Z.)

² Department of Civil, Architectural and Environmental Engineering, University of Padova, Via Marzolo 9, 35131 Padova, Italy

³ Department of Pharmacy, University Federico II of Naples, Via Domenico Montesano 49, 80131 Naples, Italy; falcigno@unina.it (L.F.); gabriella.dauria@unina.it (G.D.)

⁴ Department of Molecular Medicine, University of Padova, Via A. Gabelli 63, 35121 Padua, Italy; paola.brun.1@unipd.it

* Correspondence: monica.dettin@unipd.it; Tel.: +39-049-8275553

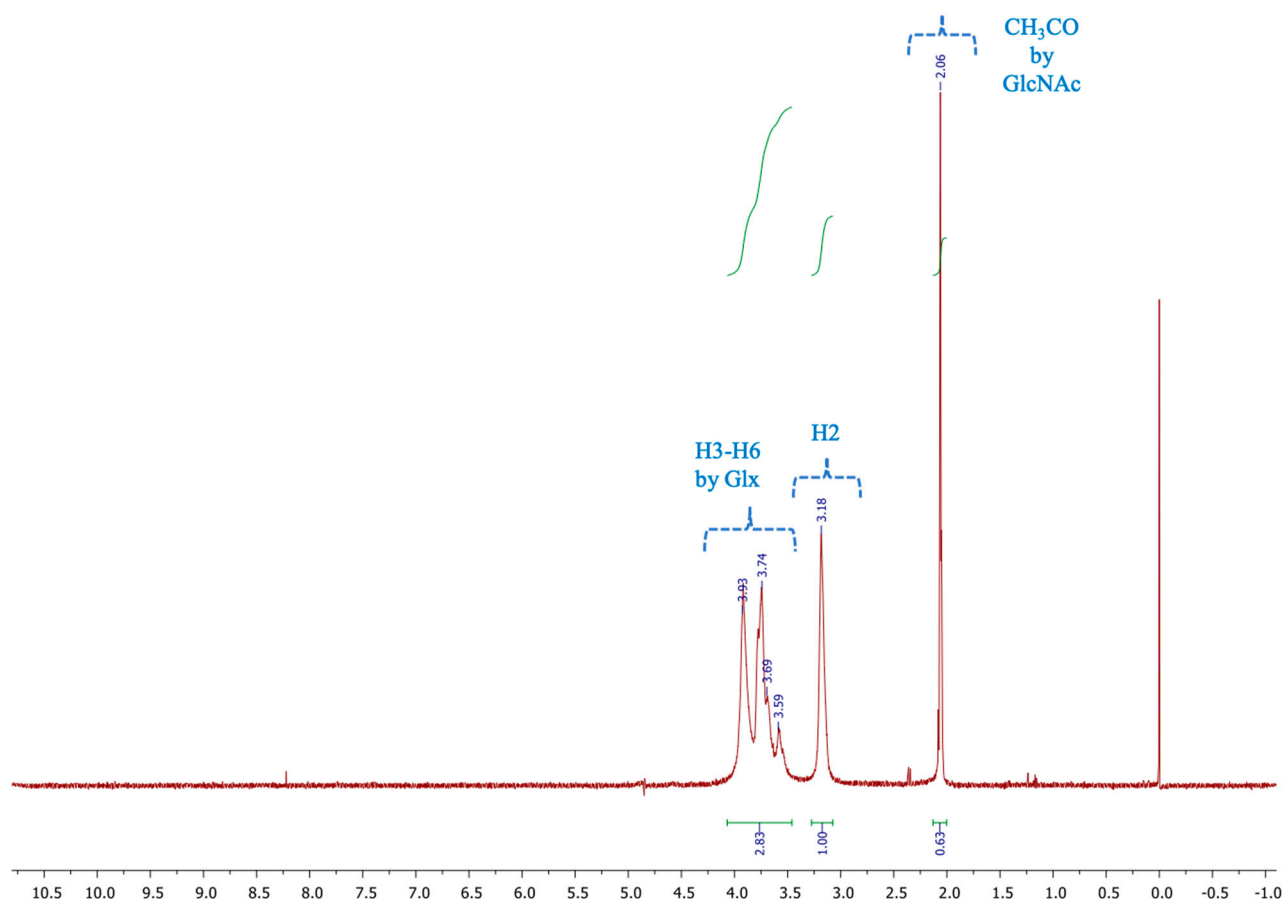


Figure S1. NMR spectrum (700 MHz, T=298K) of free chitosan in acidic D₂O. Glx = Glc or GlNAc.

S1. Materials and Methods

S1.1. Methods

Dynamic viscosity analysis

The dynamic viscosity of a 1% Chitosan aqueous solution in 1% acetic acid was measured by The NμLine® Cone & Plate viscometer (Analytical Technology and Control Ltd, Broadway, Market Lavington, Devizes, Wiltshire SN10 5RQ, United Kingdom) equipped with a cone 2P, in the speed range 10-200 rpm at 20°C.