

Supporting information

# Biodegradable Polycarbonate Ion-gels for Electrophysiology Measurements

Alexander Y. Yuen <sup>1,†</sup>, Luca Porcarelli <sup>1,†</sup>, Robert H. Aguirresarobe <sup>1</sup>, Ana Sanchez-Sanchez <sup>2</sup>, Isabel del Agua <sup>1,3</sup>, Usein Ismailov <sup>3</sup>, George G. Malliaras <sup>2</sup>, David Mecerreyes <sup>1,4</sup>, Esma Ismailova <sup>3</sup> and Haritz Sardon <sup>1\*</sup>

<sup>1</sup> POLYMAT, University of the Basque Country UPV/EHU, Joxe Mari Korta Center, Avda. Tolosa 72, 20018 Donostia-San Sebastian, Spain

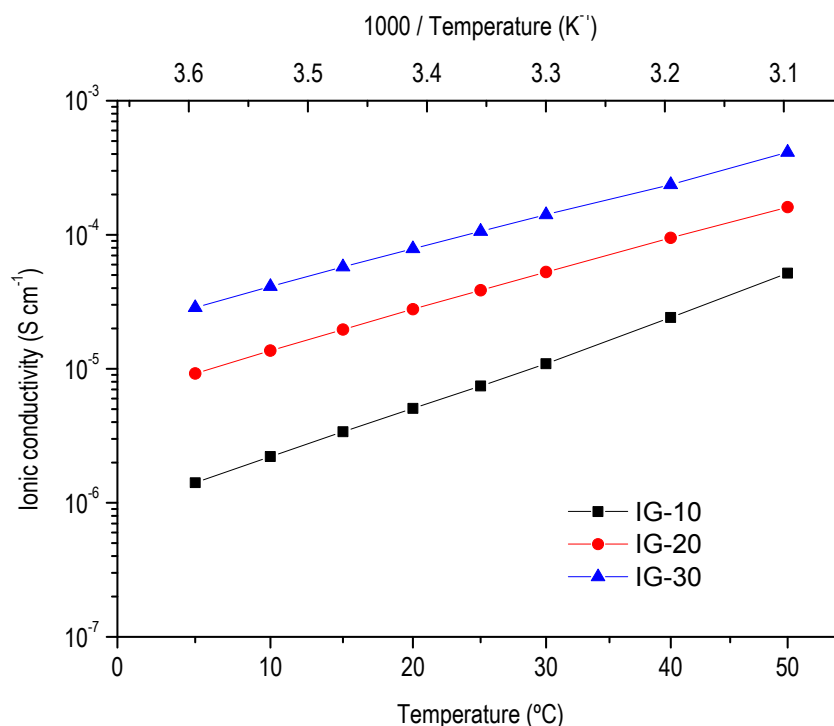
<sup>2</sup> University of Cambridge, Dept. of Eng., Electrical Eng. Division, 9 JJ Thomson Avenue, Cambridge, CB3 0FA, UK

<sup>3</sup> Department of Bioelectronics, Ecole Nationale Supérieure des Mines, CMP-EMSE, MOC, 13541 Gardanne, France

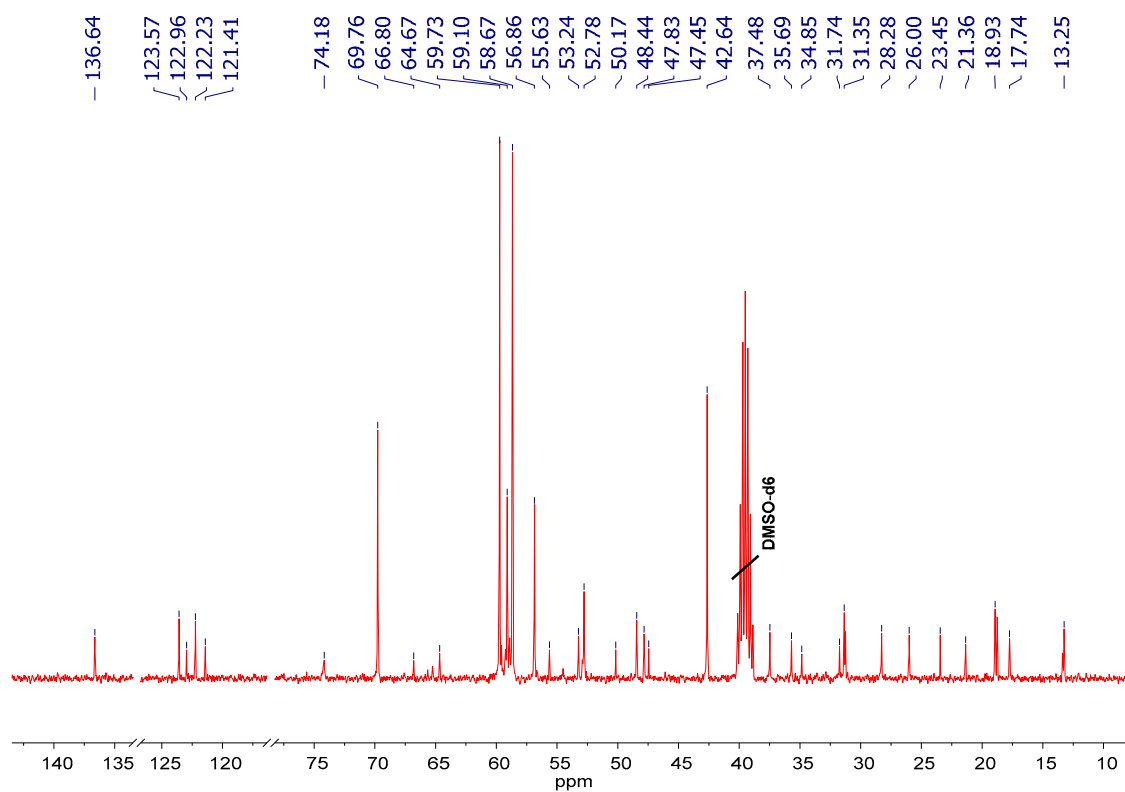
<sup>4</sup> Ikerbasque, Basque Foundation for Science, E-48011 Bilbao, Spain

\* Correspondence: haritz.sardon@ehu.eus

† These authors contributed equally to this work.



**Figure S1.** Ionic conductivity of as synthesized polycarbonate ion-gels loaded with ionic liquids measured across a range of temperatures.



**Figure S2.** Residues from the biodegradability testing of IG -30 were characterized with  $^{13}\text{C}$  NMR in d6-DMSO.



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