

Supporting information

Biocompatible Locust bean gum gels prepared by Ionic Liquids and scCO₂ sustainable system

Márcia G. Ventura^{*[a]}, Ana I. Paninho^[a], Ana V.M. Nunes^[a], Isabel M. Fonseca^[a], Luís C. Branco^{*[a]}

[a] REQUIMTE/CQFB, Departamento de Química, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Campus de Caparica, Caparica 2829-516, Portugal

E-mail: mm.ventura@fct.unl.pt; l.branco@fct.unl.pt;

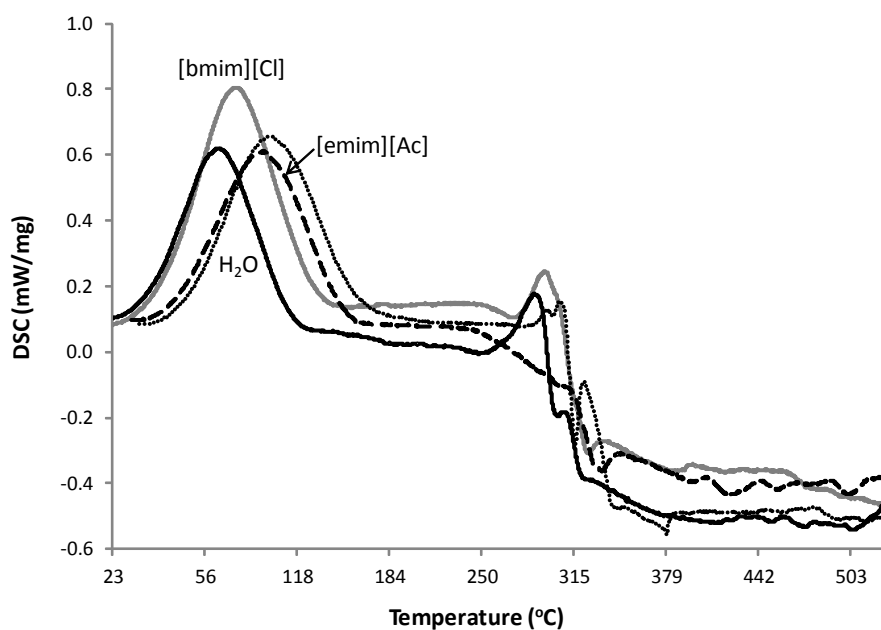


Figure SI.1. Thermogravimetric (DSC) curves of LBG gels produced through the dissolution into the ionic liquids and water.

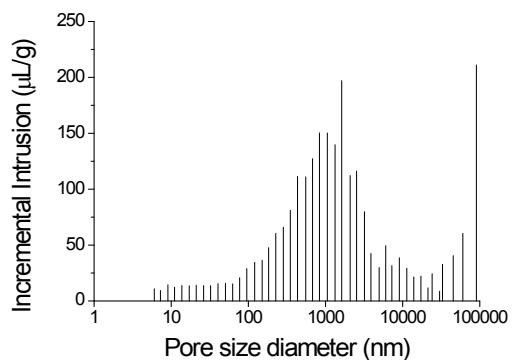
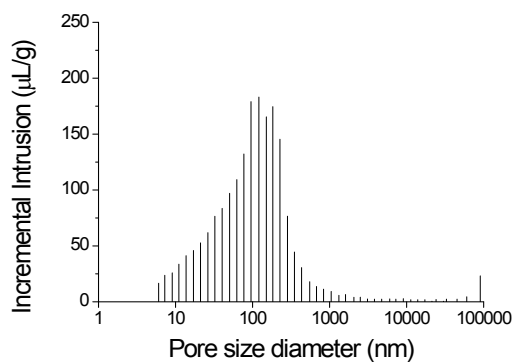
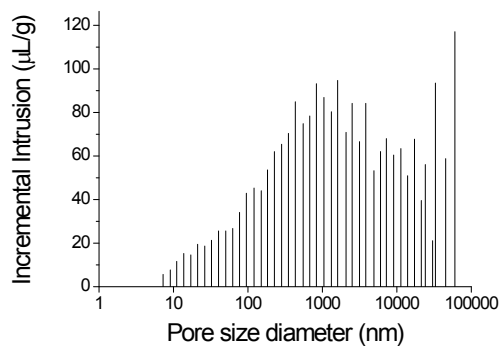
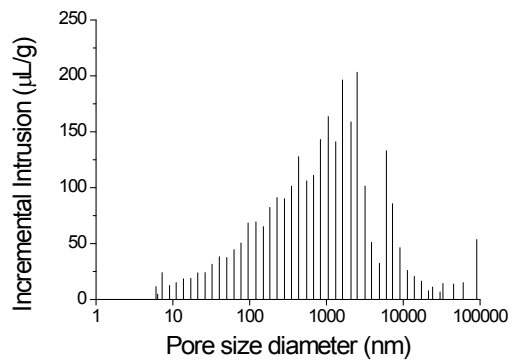


Figure SI.2. Pore size distribution of the gels produced through the dissolution into [bmim][Cl] (first row), [bmim][Cl] dried with ethyl lactate (second row), [emim][Ac] (third row) and water (forth row) obtained from mercury porosimetry.

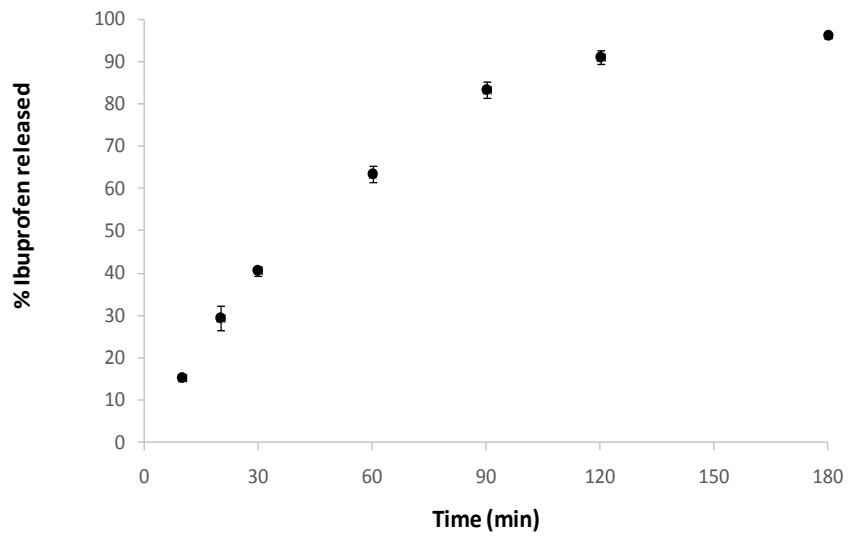


Figure SI.3. Ibuprofen release profile in buffer pH 7.4 from LBG matrix dried with ethyl lactate. Values represent mean \pm SD of n = 3 samples.