

Article

Ca-Zn-Ag Alginate Aerogels for Wound Healing Applications: Swelling Behavior in Simulated Human Body Fluids and Effect on Macrophages

Supplementary Material

Claudia Keil ^{1,*}, Christopher Hübner ¹, Constanze Richter ¹, Sandy Lier ¹, Lars Barthel ², Vera Meyer ², Raman Subrahmanyam ³, Pavel Gurikov ⁴, Irina Smirnova ³ and Hajo Haase ^{1,*}

¹ Department Food Chemistry and Toxicology, Institute of Food Technology and Food Chemistry, TU Berlin, Straße des 17. Juni 135, 10623 Berlin, Germany; c.huebner@tu-berlin.de (C.H.); constanze.richter@tu-berlin.de (C.R.); lier@campus.tu-berlin.de (S.L.)

² Applied and Molecular Microbiology, Institute of Biotechnology, TU Berlin, Straße des 17. Juni 135, 10623 Berlin, Germany; lars.barthel@tu-berlin.de (L.B.); vera.meyer@tu-berlin.de (V.M.)

³ Institute of Thermal Separation Processes, Hamburg University of Technology, Eißendorfer Straße 38, 21073 Hamburg, Germany; raman.subrahmanyam@tuhh.de (R.S.); irina.smirnova@tuhh.de (I.S.)

⁴ Laboratory for Development and Modelling of Novel Nanoporous Materials, Hamburg University of Technology, Eißendorfer Straße 38, 21073 Hamburg, Germany; pavel.gurikov@tuhh.de

* Correspondence: haase@tu-berlin.de (H.H.); c.keil@tu-berlin.de (C.K.); Tel.: +49 (0) 30 31472701 (H.H.); +49 (0) 30 31472816 (C.K.); Fax: +49 (0) 30 31472823 (C.K.; H.H.)

Received: 23 October 2020; Accepted: 14 November 2020; Published: date

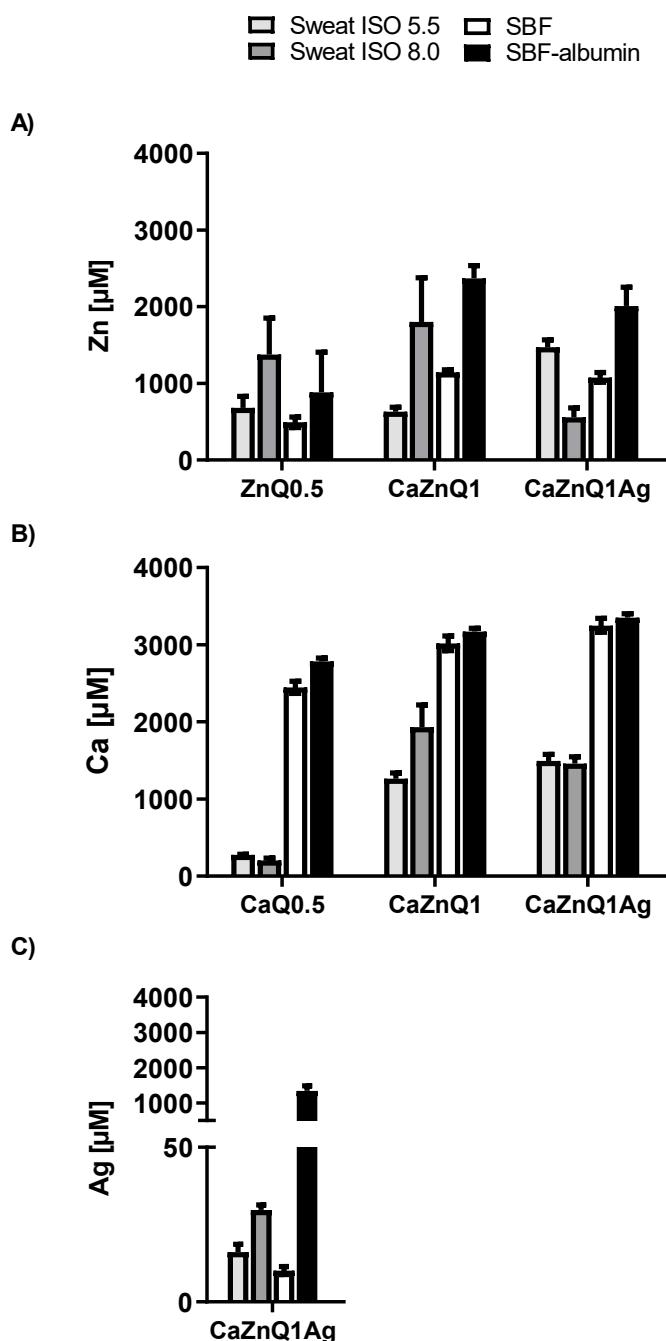


Figure S1. Quantification of total metal concentrations in aerogel swelling supernatants. Aerogels were incubated for 5 min in the body fluid substitutes before quantification of the total metal concentrations in the swelling supernatants by flame atomic absorption spectrometry. Data are presented as means \pm SEM of three independent experiments.



© 2020 by the authors. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<http://creativecommons.org/licenses/by/4.0/>).