

Design and Fabrication of Sodium Alginate/Carboxymethyl Cellulose Sodium Blend Hydrogel for Artificial Skin

Kun Zhang ^{1,2}, Yanen Wang ^{1,2,*†}, Qinghua Wei ^{1,2,*}, Xinpei Li ^{1,2}, Ying Guo ^{1,2} and Shan Zhang ^{1,2}

¹ Industry Engineering Department, School of Mechanical Engineering, Northwestern Polytechnical University, Xi'an 710072, China; npu_zk@sina.com (K.Z.); lixinpei@mail.nwpu.edu.cn (X.L.); guoying0402@sina.com (Y.G.); zhangshanzs33@163.com (S.Z.)

² Institute of Medical Research, Northwestern Polytechnical University, Xi'an 710072, China

* Correspondence: wangyanen@126.com (Y.W.); weiqinghua@nwpu.edu.cn (Q.W.)

† These authors contributed equally to this work and should be considered co-first authors.

Supplementary Materials

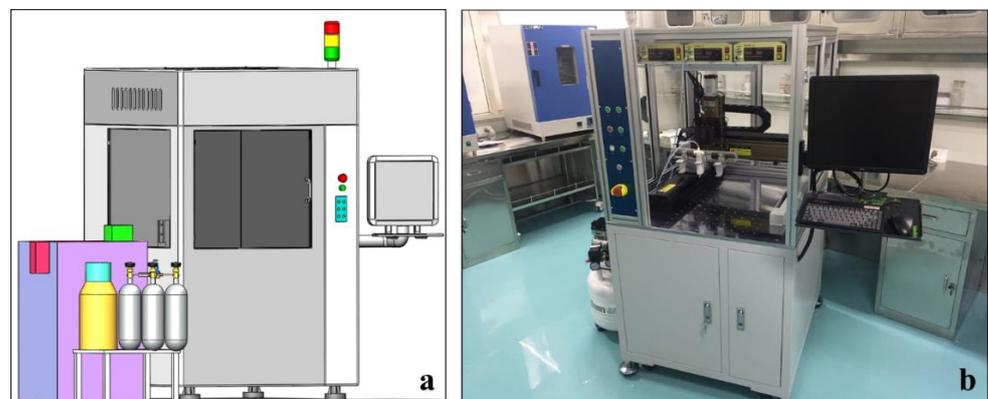


Figure S1. (a) Bio-printer control cabinet structure diagram; (b) Bio-printer pneumatic extrusion system

Citation: Kun, Z.; Yanen, W.; Qinghua, W.; Ying, G.; Shan, Z. Design and Fabrication of Sodium Alginate/Carboxymethyl Cellulose Sodium Blending Hydrogel for Artificial Skin. *Gels* **2021**, *7*, 115. <https://doi.org/10.3390/gels7030115>

Academic Editor: David Díaz Díaz

Received: 16 July 2021

Accepted: 6 August 2021

Published: 9 August 2021

Publisher's Note: MDPI stays neutral with regard to jurisdictional claims in published maps and institutional affiliations.



Copyright: © 2021 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/>).