

Supplementary Materials

Retinol-Loaded Poly(Vinyl Alcohol)-Based Hydrogels as Suitable Biomaterials with Antimicrobial Properties for the Proliferation of Mesenchymal Stem Cells

Jeevithan Elango ^{1,2,*}, Camilo Zamora-Ledezma ^{3,*}, Daniela Negrete-Bolagay ⁴,
Piedad N. De Aza ⁵, Vicente M. Gómez-López ³, Ivan López-González ⁶,
Ana Belén Hernández ⁶, José Eduardo Maté Sánchez De Val ¹ and Wenhui Wu ⁷

¹ Department of Biomaterials Engineering, Faculty of Health Sciences, UCAM-Universidad Católica San Antonio de Murcia, Campus de los Jerónimos 135, Guadalupe, 30107 Murcia, Spain

² Center of Molecular Medicine and Diagnostics (COMManD), Department of Biochemistry, Saveetha Dental College and Hospitals, Saveetha Institute of Medical and Technical Sciences, Saveetha University, Chennai 600077, India

³ Green and Innovative Technologies for Food, Environment and Bioengineering Research Group (FEnBeT), Faculty of Pharmacy and Nutrition, UCAM-Universidad Católica San Antonio de Murcia, Campus de los Jerónimos 135, Guadalupe, 30107 Murcia, Spain

⁴ School of Biological Sciences and Engineering, Yachay Tech University, Urcuquí 100119, Ecuador

⁵ Instituto de Bioingeniería, Universidad Miguel Hernández, Avda. de la Universidad s/n, 03202 Elche, Spain

⁶ Tissue Regeneration and Repair Group, Biomaterials and Tissue Engineering, Faculty of Health Sciences, UCAM-Universidad Católica San Antonio de Murcia, Campus de los Jerónimos 135, Guadalupe, 30107 Murcia, Spain

⁷ Department of Marine Bio-Pharmacology, College of Food Science and Technology, Shanghai Ocean University, Shanghai 201306, China

* Correspondence: srijeevithan@gmail.com or jelango@ucam.edu (J.E.); czamora9@ucam.edu (C.Z.-L.)

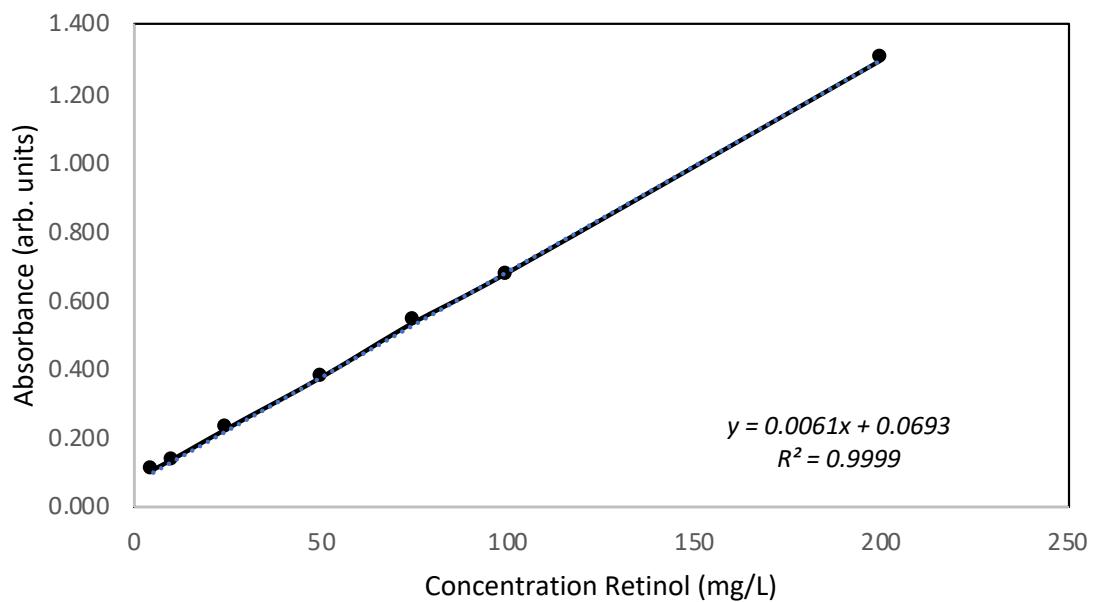


Figure S1. A calibration standard curve within the 5 mg/L > X > 200 mg/L concentration of retinol in aqueous solution at 334 nm

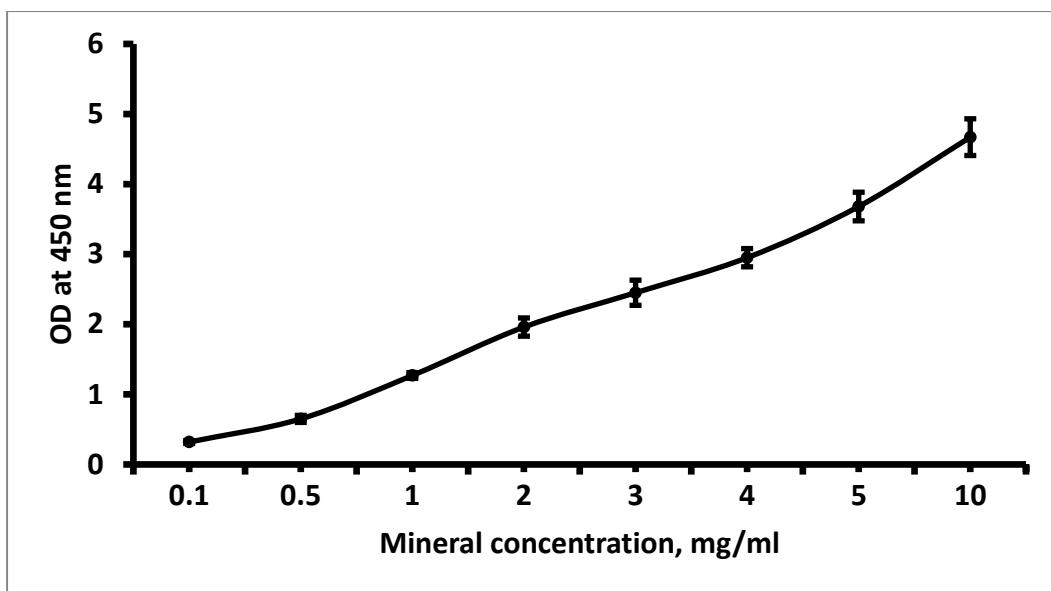


Figure S2. A calibration standard curve of synthesized mineral with different concentration (0.1, 0.5, 1, 2, 3, 4, 5 and 10 mg/ml) by alizarin red staining at 450 nm