

Supporting information for:

**Development and Characterization of Cellulose /Iron Acetate Nanofibers for
Bone Tissue Engineering Applications**

Hamouda M. Mousa^{1*}, Kamal Hany Hussein^{2,3}, Mostafa M. Sayed⁴, Mohamed K. Abd El-
Rahman^{5,6}, Heung-Myong Woo⁷

¹Department of Mechanical Engineering, Faculty of Engineering, South Valley University, Qena 83523, Egypt.

²Institute for Veterinary Science, College of Veterinary Medicine, Seoul National University, Seoul 08826, Republic of Korea.

³ Department of Animal Surgery, College of Veterinary Medicine, Assiut University, Assiut 71515, Egypt.

⁴ Mechanical Design and Materials Department, Faculty of Energy Engineering, Aswan University, Aswan 81542, Egypt.

⁵ Analytical Chemistry Department, Faculty of Pharmacy, Cairo University, Kasr-El Aini Street, Cairo, Egypt 11562.

⁶ Department of Chemistry and Chemical Biology, Harvard University, 12 Oxford Street, MA 02138, United States.

⁷ Stem Cell institute, College of Veterinary Medicine & Institute of Veterinary Science, Kangwon National University, Chuncheon, Gangwon 24341, Republic of Korea.

***Corresponding author:**

H.M.Mousa (hmousa@eng.svu.edu.eg)

Table. S1 Primers used for PCR analysis.

Primer	Primer sequences		Annealing Temperature °C
	Forward	Reverse	
Collagen I	5'- CAG CCG CTT CAC CTA CAG C -3'	5'- TTT TGT ATT CAA TCA CTG TCT TGC C -3'	57.1
Osteopontin	5'- CTC AGG CCA GTT GCA GCC -3'	5'- CAA AAG CAA ATC ACT GCA ATT CTC -3'	-
GAPDH	5'-ACA GTC AGC CGC ATC TTC TT-3'	5'-GAC AAG CTT CCC GTT CTC AG-3'	59.7