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Supplemental information

Construction of tissue-engineered nucleus pulposus by stimulation with periodic mechanical stress and BMP-2

Yang Liu, Gong-ming Gao, Kai-yuan Yang, and Lu-ming Nong

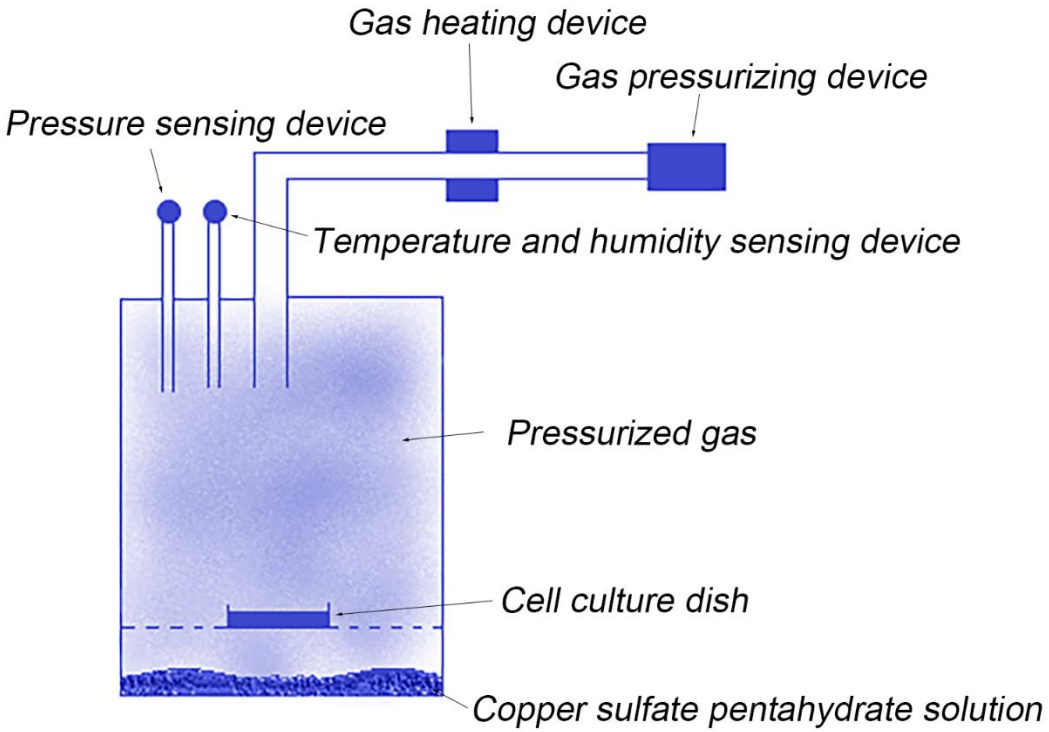

Figure S1

Figure S1. Schematic of stress field culture system, Related to STAR Methods.

Please contact the Lead contact to obtain the device's primary parameters and build method, if you want to request the device.

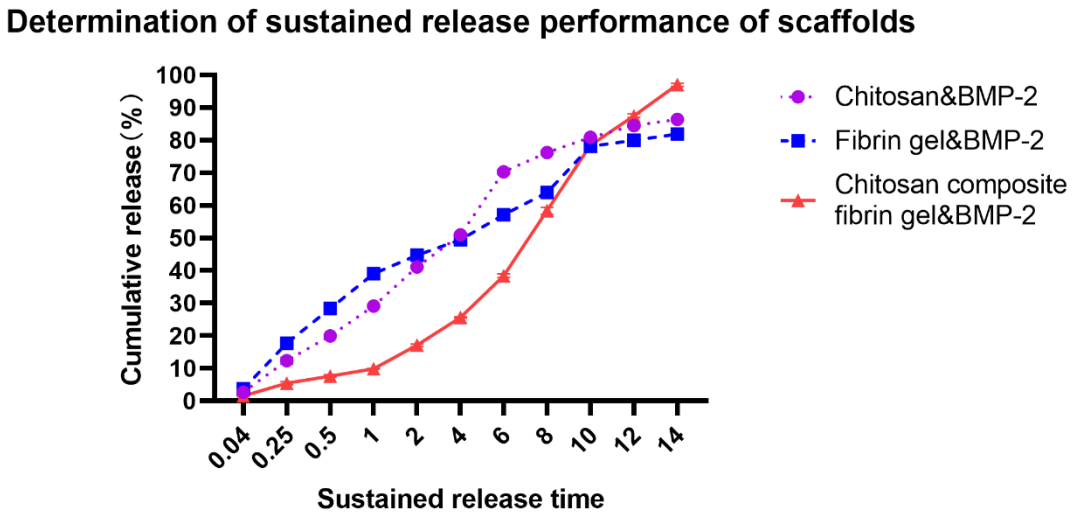

Figure S2

Figure S2. Determination of sustained release performance of scaffolds, Related to Figure 4.

In the chitosan microsphere group and the fibrin gel scaffold group, BMP-2 was released rapidly in the early stage (within 2 days), then slowly released in the following 2-10 days, and reached a plateau in the last 4 days and finally released completely in 11-14 days. However, in the chitosan composite fibrin gel scaffold group, the release of BMP-2 was slow in the early stage (within 1 day), followed by a uniform release within 1-10 days, and gradually slowed down in the last 4 days, but the sustained release was not complete. Results are presented as the mean ± SD of three independent experiments.