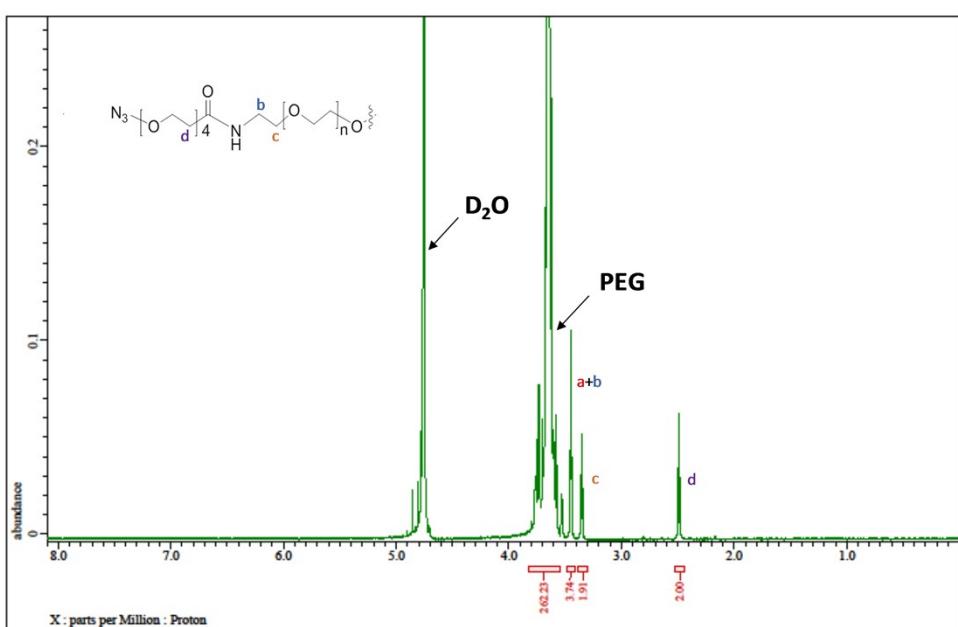
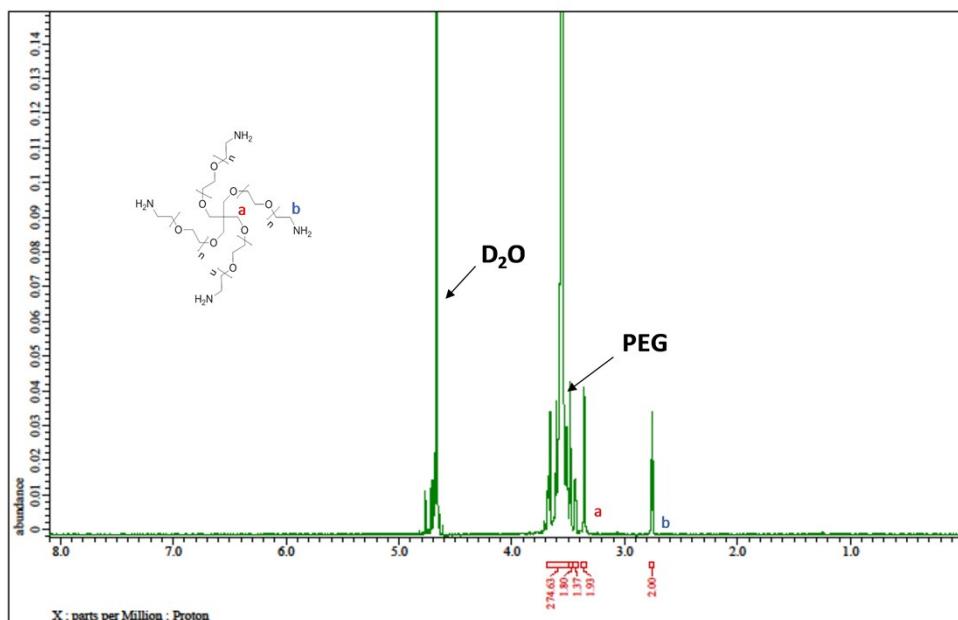


Supporting Information

***In vivo* vocal fold augmentation using an injectable polyethylene glycol hydrogel based on click chemistry**

Soonmin Kwon, Hyunsu Choi, Changhee Park, Sangkee Choi, Eunha Kim, Sung Won Kim, Choung-Soo Kim and Heebeom Koo



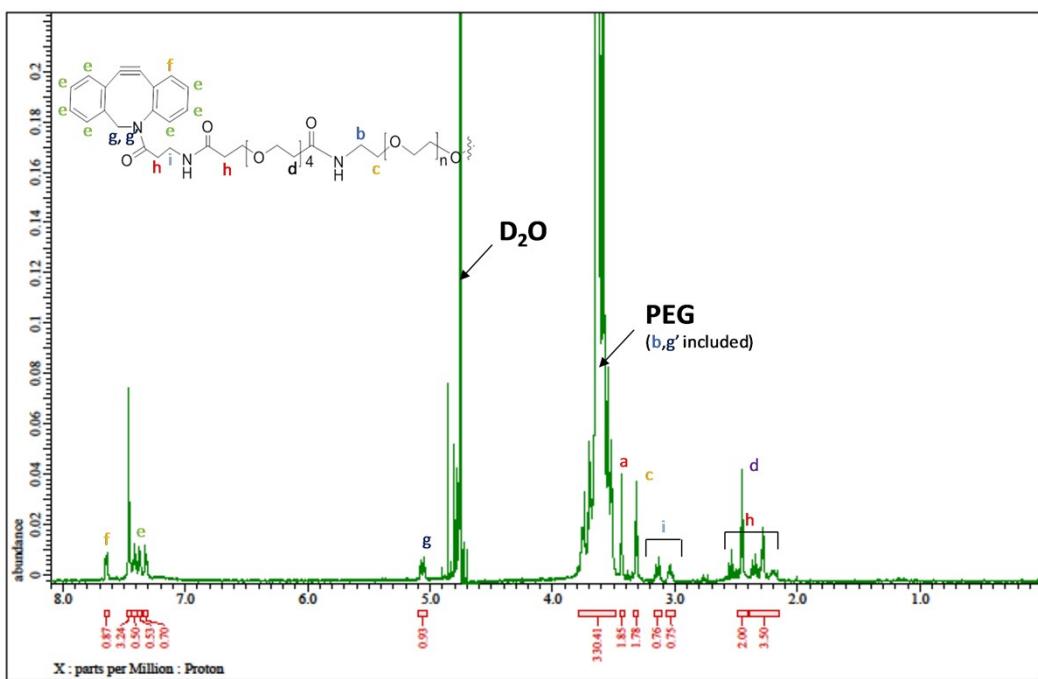


Figure S1. ^1H NMR spectra of 4-arm PEG-amine, 4arm-PEG- N_3 , and 4-arm PEG-DBCO.

4arm-PEG-N ₃ :4arm-PEG-DBCO (weight ratio)	Gelation
1 : 7	X
1 : 3	X
1 : 2	O
1 : 1	O
2 : 1	O
3 : 1	X
7 : 1	X

Figure S2. Gelation of hydrogel formulations according to the ratio of 4arm-PEG-N₃ and 4arm-PEG-DBCO. Total weight concentration maintained at 4 wt%.

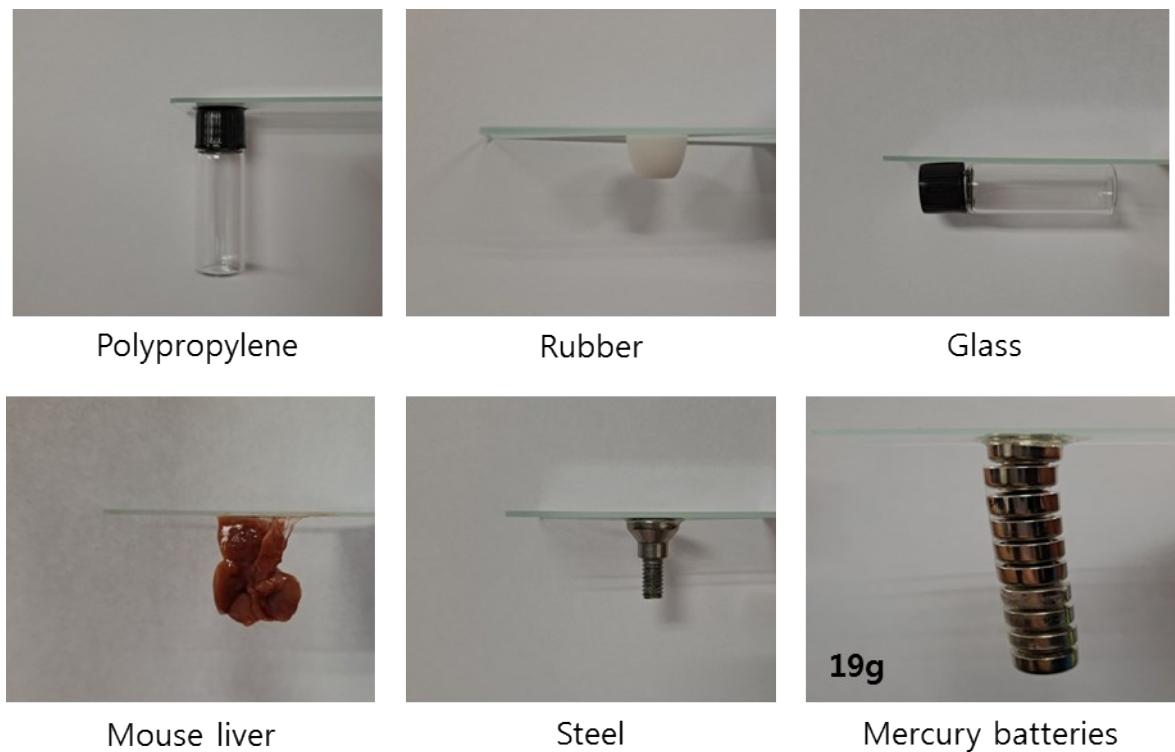


Figure S3. Images showing adhesion of PEG hydrogels onto various materials

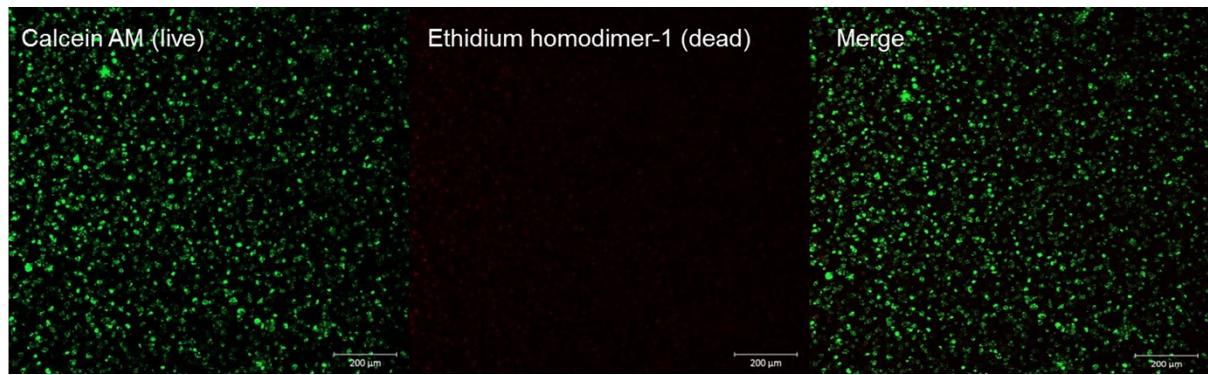


Figure S4. Confocal image of NIH3T3 cells grown in PEG hydrogel for 1 day (Green: live cells (Calcein AM), red: dead cells (Ethidium homodimer-1)).