

**Support information for:**  
**Calcium Phosphate Biomineralization in Peptide Hydrogel for  
Injectable Bone-Filling Materials**

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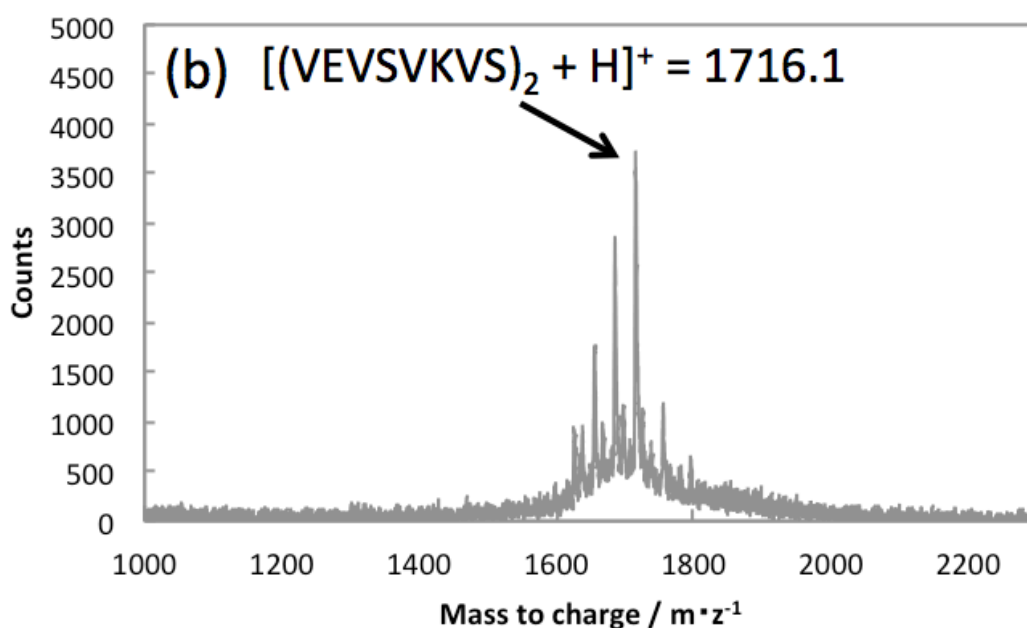
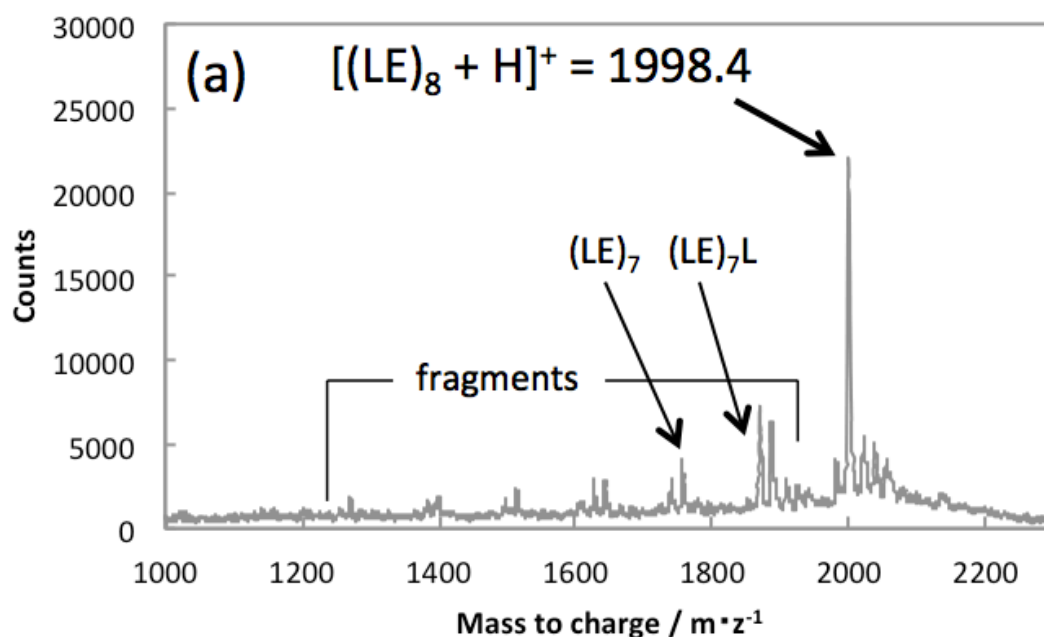
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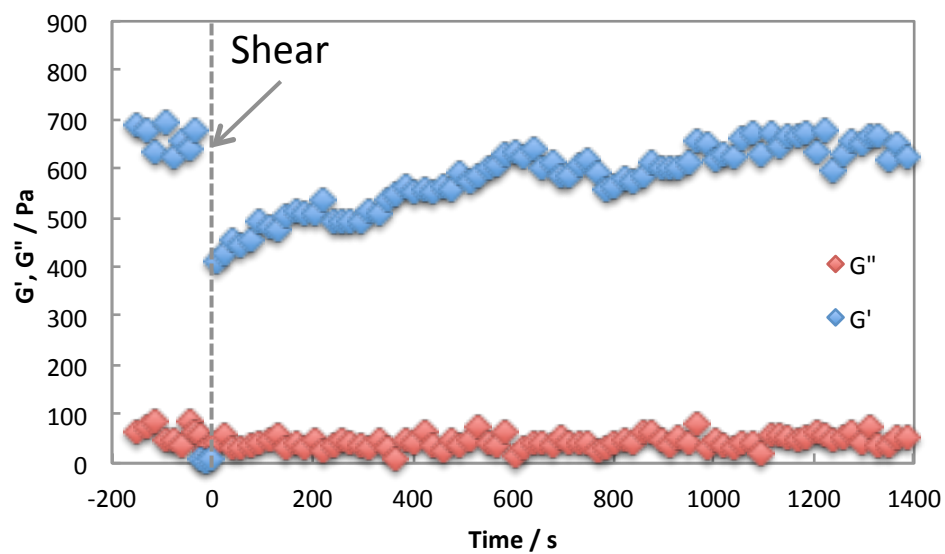
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### S1. MALDI-TOF-MS spectra of $(LE)_8$ and $(VEVSVKVS)_2$

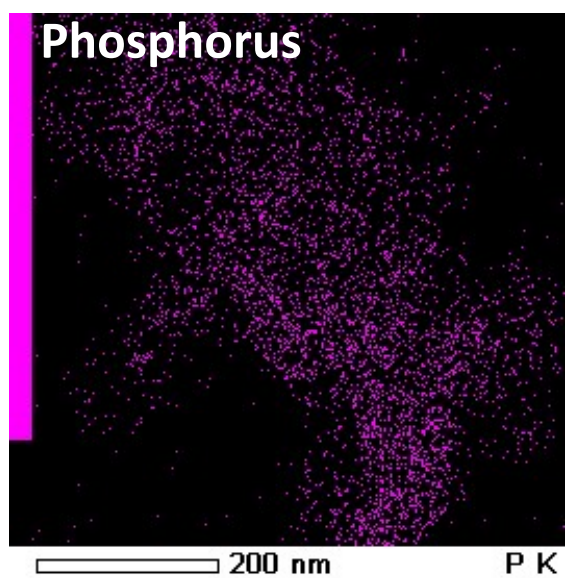
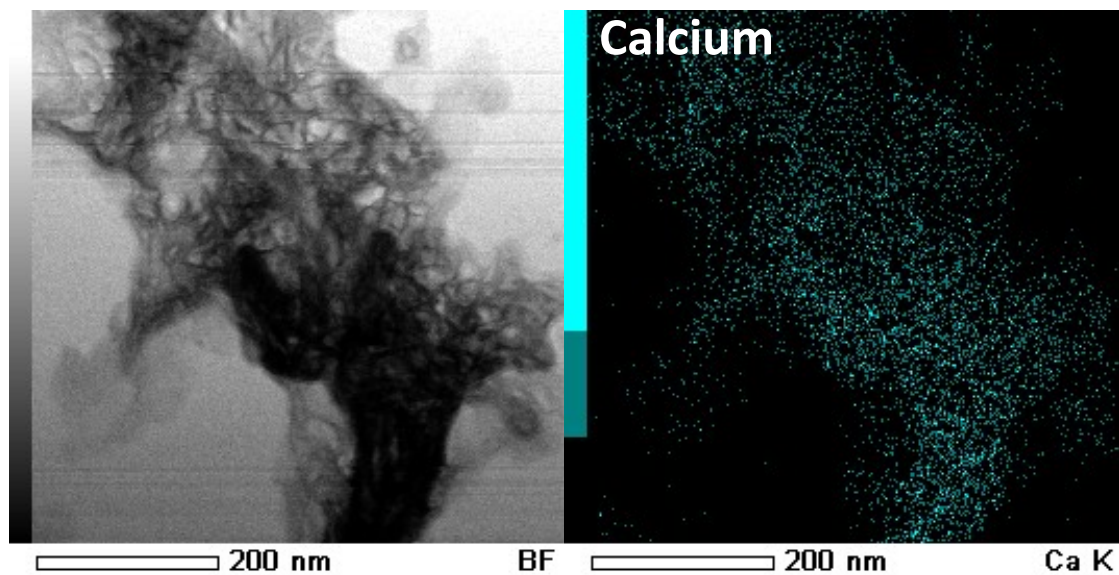


MALDI-TOF-MS spectra of  $(LE)_8$  (a) and  $(VEVSVKVS)_2$  (b).  $\alpha$ -Cyano-4-hydroxycinnamic acid was used as the matrix. These peaks were well agreed with calculated values, respectively  $[(LE)_8] = 1997.2$ ,  $[(VEVSVKVS)_2] = 1715.0$ .

## S2. Shear recovery of (VEVSVKVS)<sub>2</sub> hydrogel

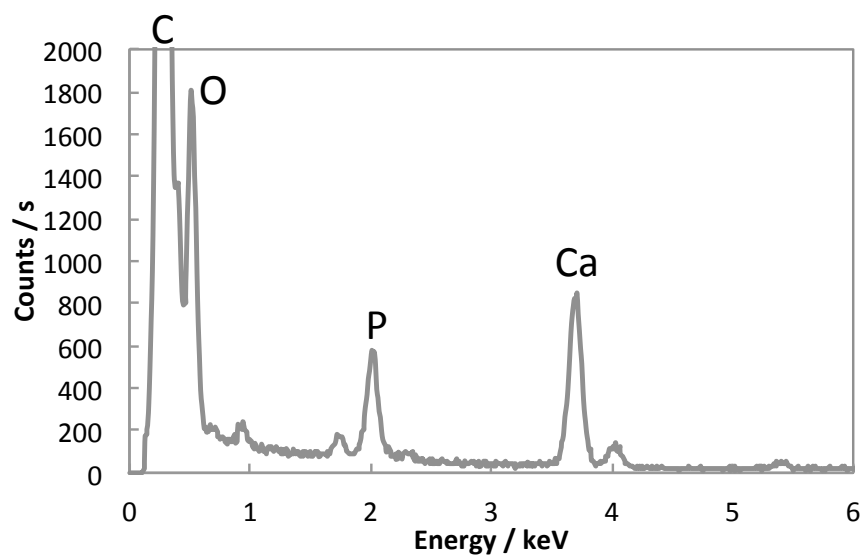


### S3. EDX mapping images of $\text{CaP}/(\text{LE})_8$ complex



#### S4. EDX spectrum of mineralized calcium phosphate

*in (VEVSVKVS)<sub>2</sub> hydrogel*



element	atom / %
Ca	62.7
P	37.3