

Supplementary Figure 1

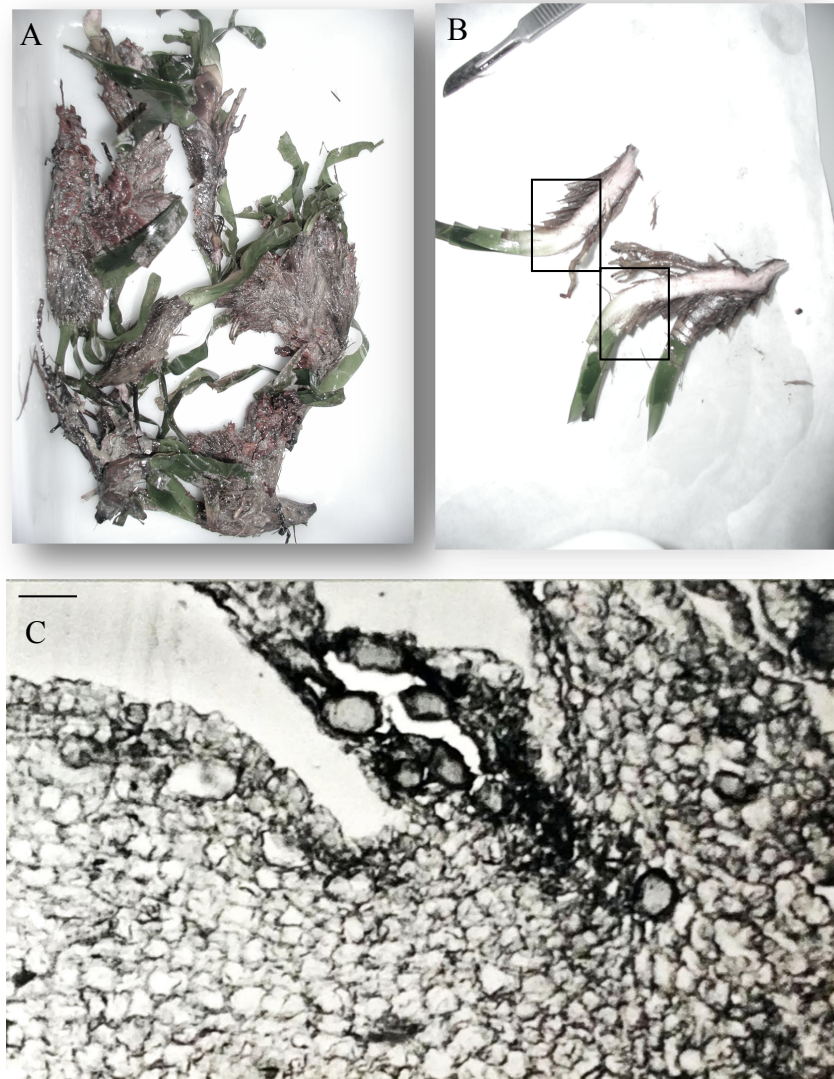


Fig. S1. A. Fragments of *Posidonia oceanica*. B. In square, selected area to obtain free cells and tissue for microscopy. C. Semithin section (5 µm) showing meristem tissue of plagiotropic rhizome leaf bud. Scale bar, 5 µm.

Supplementary Figure 2

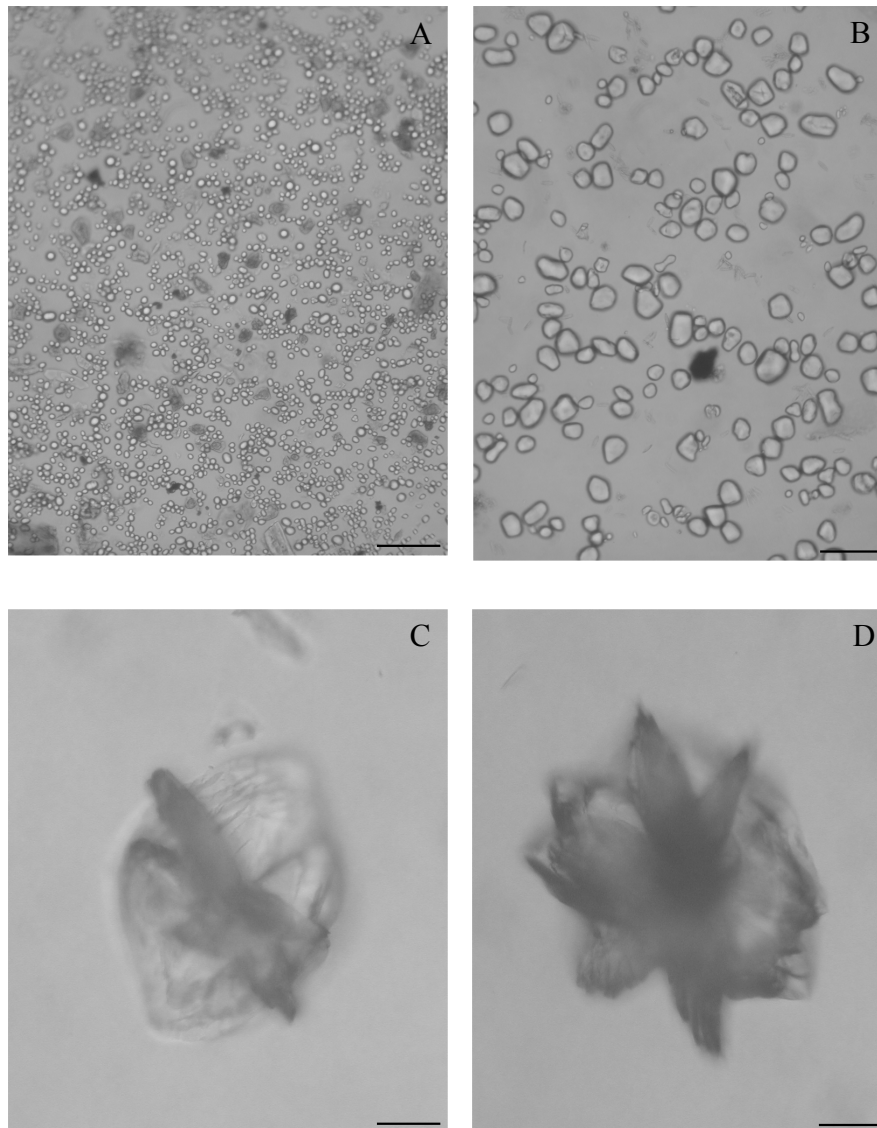


Fig. S2. Free cells in different development stages of *Posidonia oceanica*. Scale bar of A, 20 μm ; B, 5 μm ; C, 28 μm and D, 25 μm .

Supplementary Figure 3



Fig. S3. Petri dish showing beads of sodium alginate containing cells of *Posidonia oceanica*