

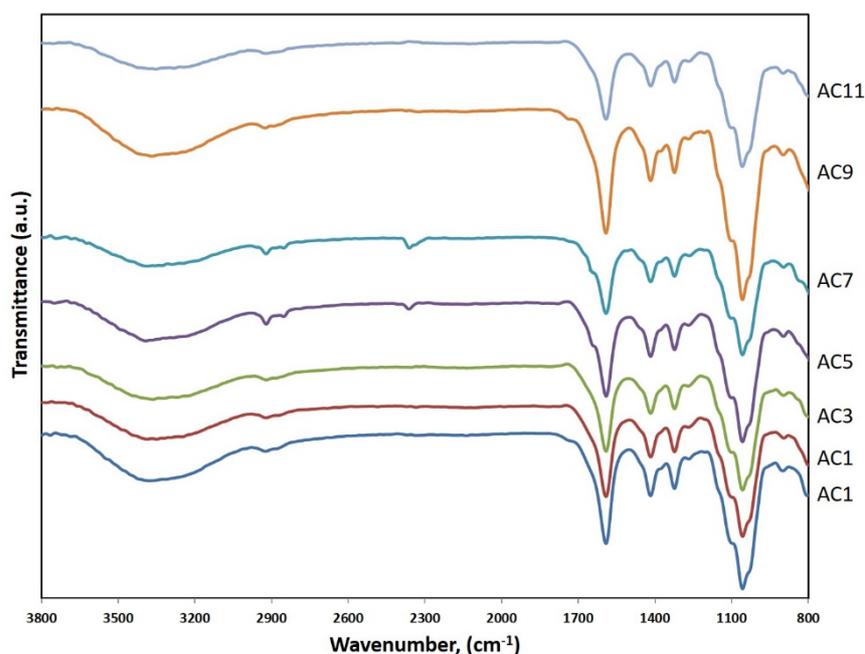
1 **Supplementary Material:**  
 2 **Natural Inspired Carboxymethyl Cellulose (CMC)**  
 3 **Doped with Ammonium Carbonate (AC) as**  
 4 **Biopolymer Electrolyte**

5 M.I.H. Sohaimy <sup>1</sup> and M.I.N. Isa <sup>1,2,\*</sup>



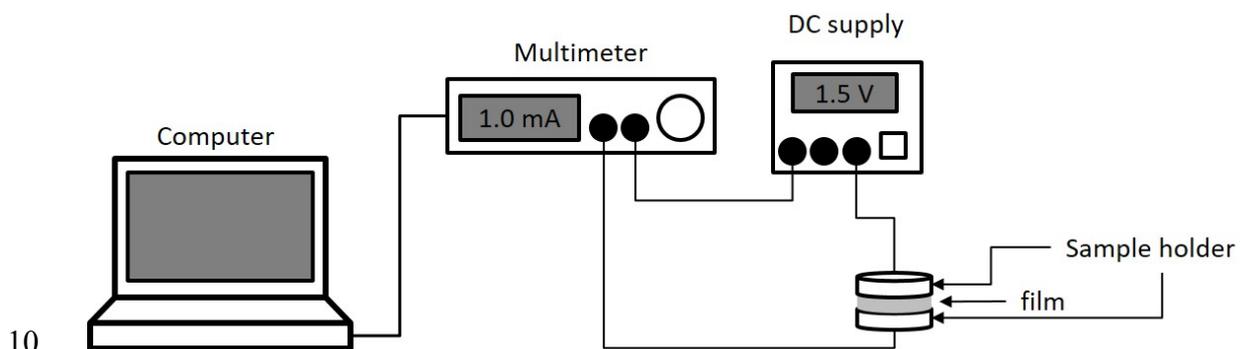
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**Figure S1.** The physical appearance of CMC-AC biopolymer films.



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**Figure S2.** Overall FTIR spectrum of CMC-AC electrolyte.



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**Figure S3.** Transference measurement testing setup.



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