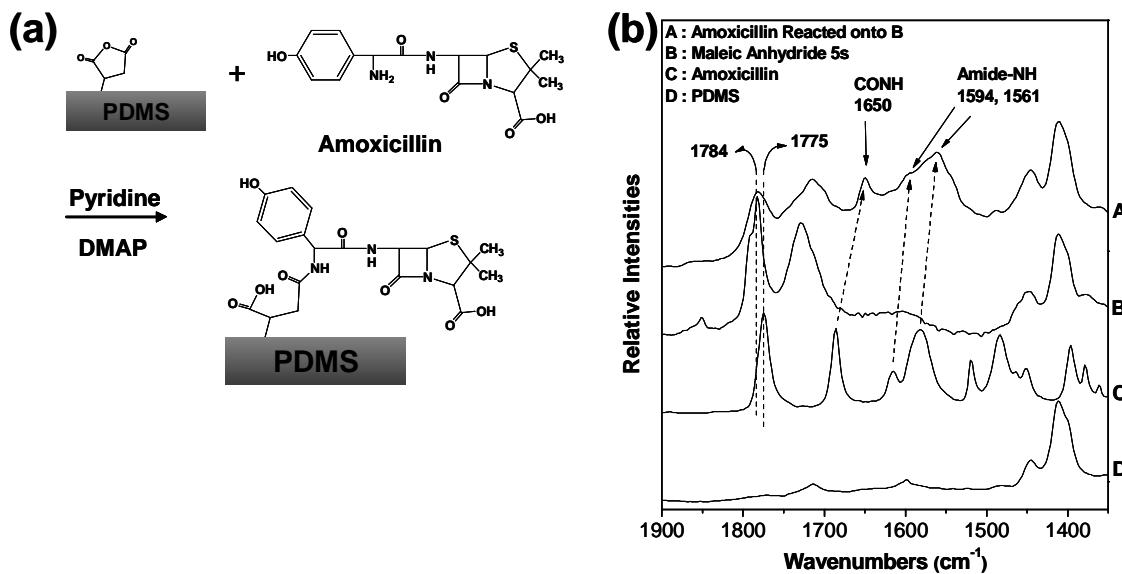


Supporting Figure 1. (a) Schematic diagram of microwave plasma reaction of maleic anhydride on the PDMS substrates. (b) ATR FT-IR spectra collected from; 5 s reaction of maleic anhydride (Trace A), 10 s reaction of maleic anhydride (Trace B), and PDMS (Trace C)



Supporting Figure 2. (a) Schematic diagram of ammonolysis reaction of amoxicillin with anhydride modified PDMS surfaces (b) ATR FT-IR spectra collected from; amoxicillin reacted onto B (Trace A), 5 s reaction of maleic anhydride (Trace B), amoxicillin (Trace C), and PDMS (Trace D)