Electronic Supplementary Information

Label-free selective detection of ampicillin drug in human urine samples using silver nanoparticles as a colorimetric sensing probe

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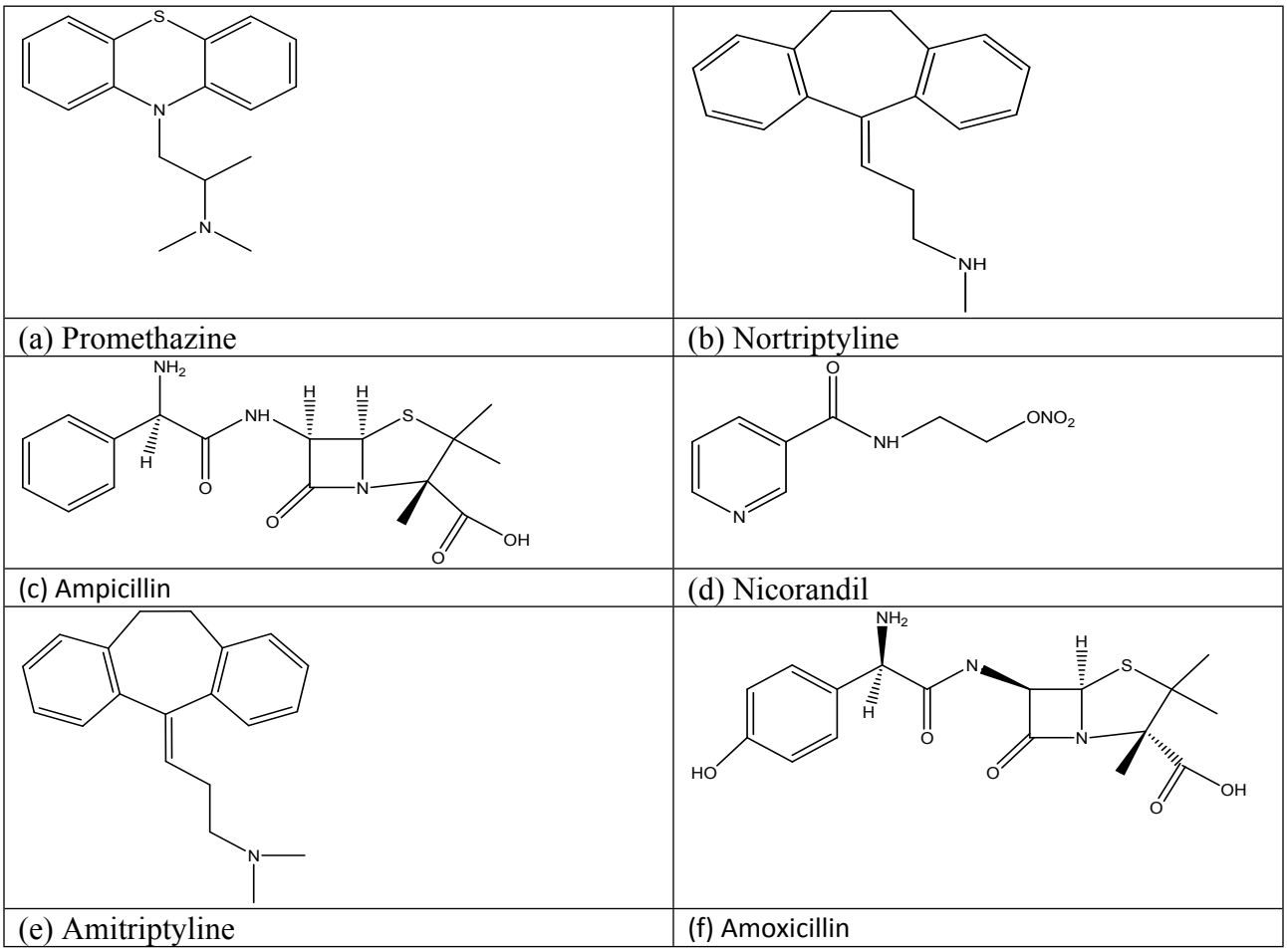

Fig. S1: Structure of drugs: (a) promethazine, (b) nortriptyline, (c) ampicillin, (d) nicorandil, (e) amitriptyline and (f) amoxicillin

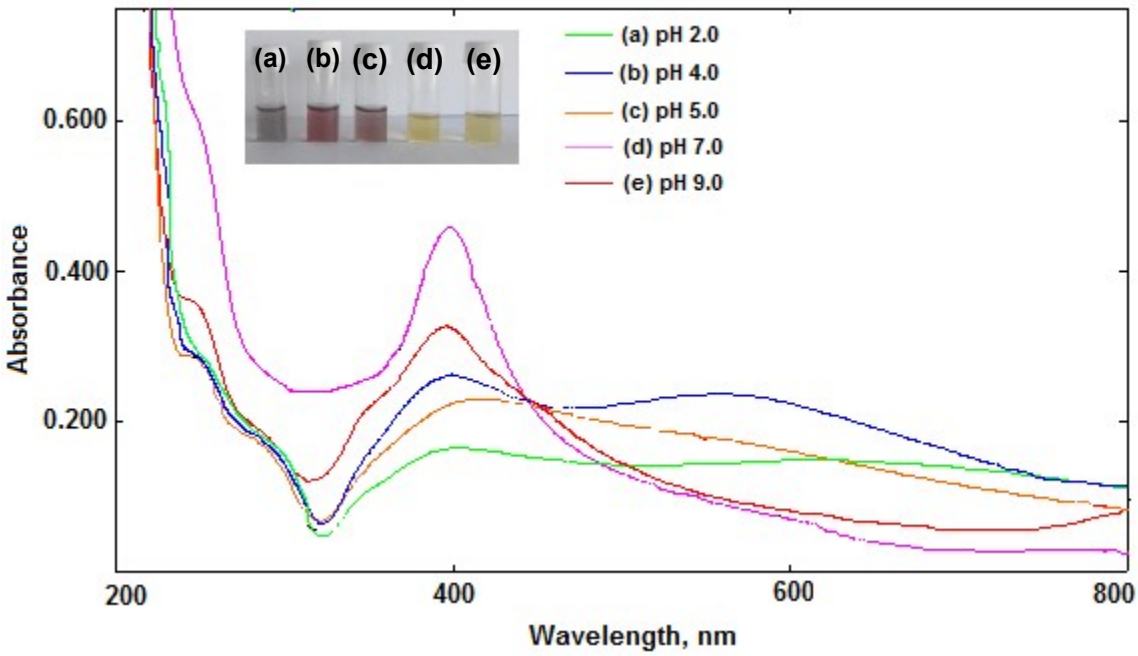

Fig. S2. Effect of pH (2.0, 4.0, 5.0, 7.0 and 9.0) on the detection of ampicillin drug using AgNPs as a LSPR colorimetric probe

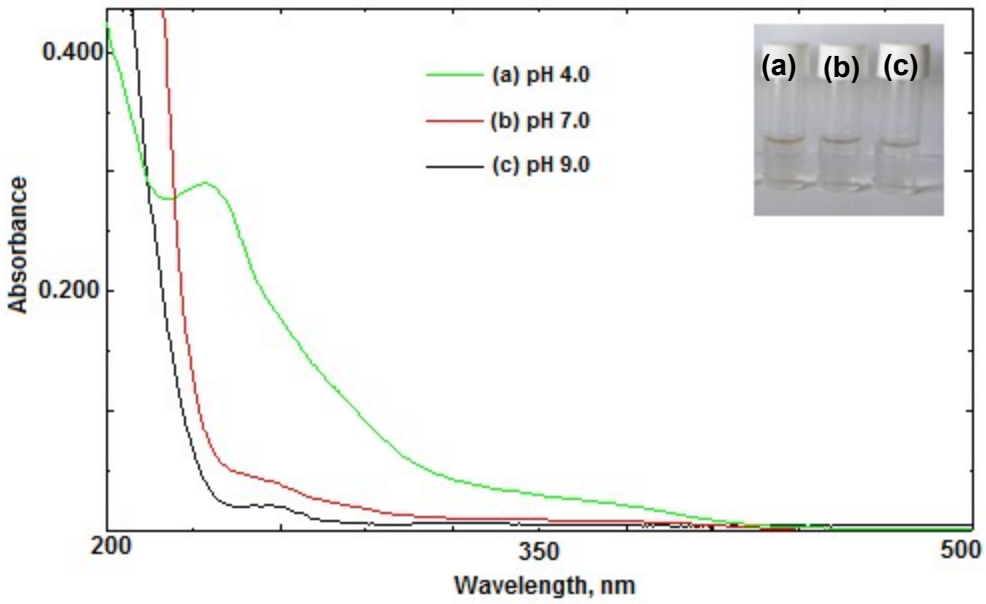

Fig. S3. UV-visible spectra of ampicillin drug (500 μgmL^{-1}) after hydrolyzed with pH 4.0, 7.0 and 9.0 solution and reaction time of 5 min at room temperature

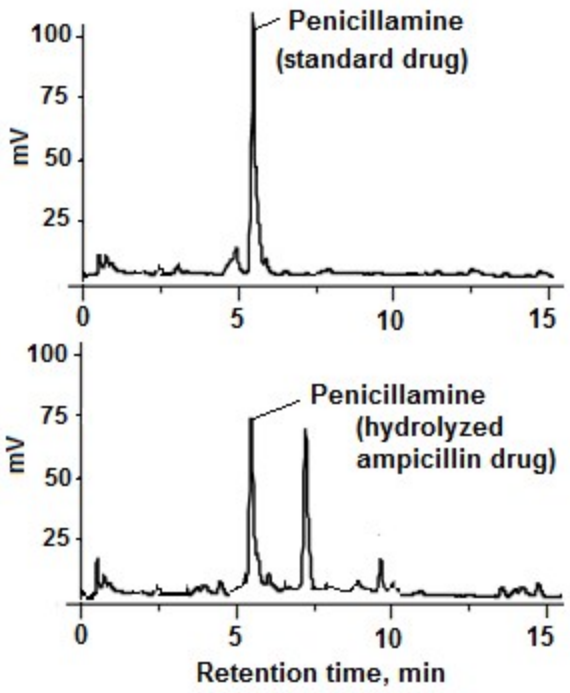

Fig. S4. HPLC chromatograph of hydrolysis product of ampicillin drug (500 μgmL^{-1}) with pH 4.0