

Supplementary information:

Fig. S1 UV-Vis spectrum of the prepared colloidal Au NPs.

Fig. S2 XRD pattern of the TMSPT-MNPs.

Fig. S3 Effect of Sample volume on the recovery of the steroids. pH; 9, amount of adsorbent; 50 mg, amount of CTAB; 10 mg, analyte concentration; 20 ng mL⁻¹.

Fig. S4 Effect of adsorbent amount on the recovery of the analytes. pH; 9, sample volume; 50 mL, steroids concentration; 20 ng mL⁻¹.

Fig. S5 Effect of ionic strength on the recovery of the steroids. Sample volume; 50 mL, analyte concentration; 20 ng mL⁻¹, pH; 9, amount of adsorbents; 50 mg, amount of CTAB; 10 mg.

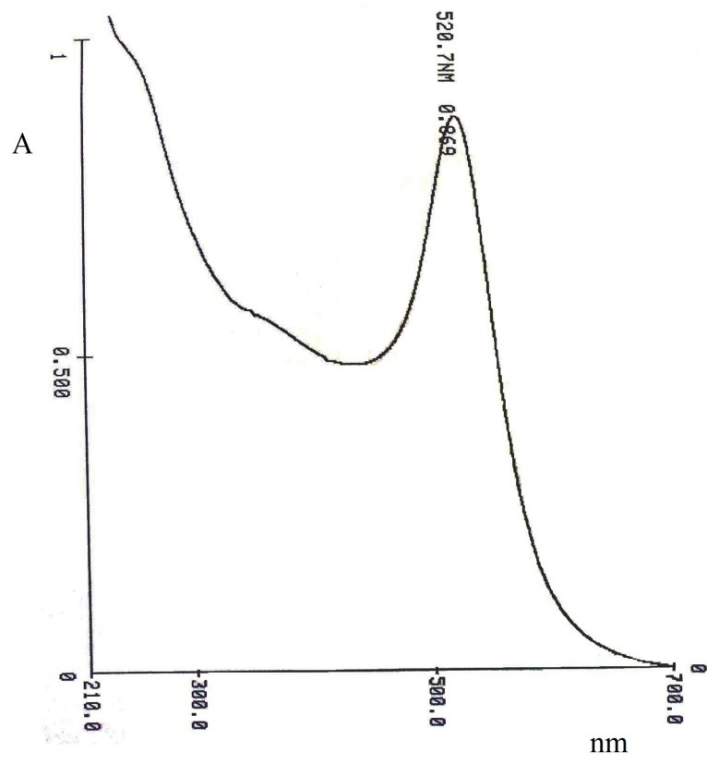


Fig. S1 UV-Vis spectrum of the prepared colloidal Au NPs.

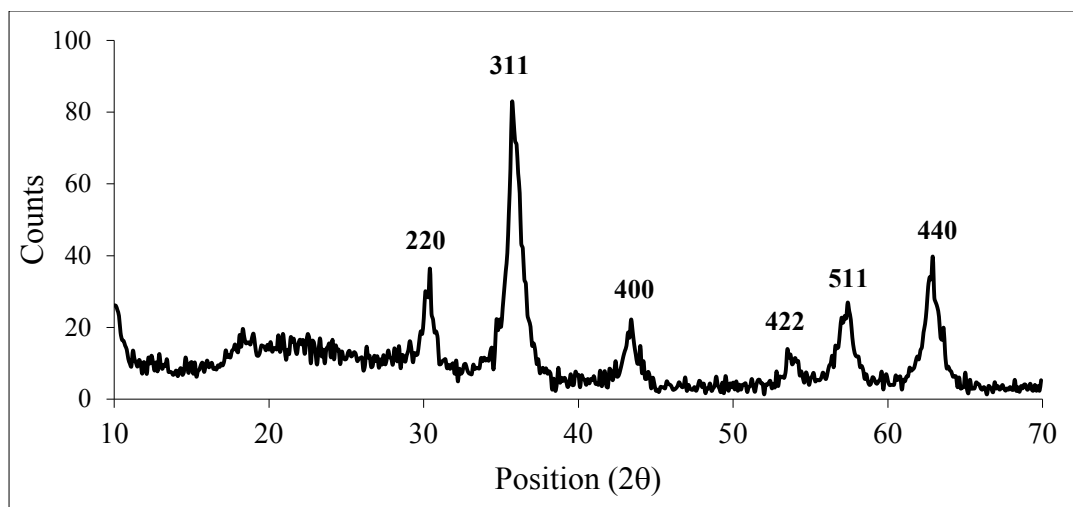


Fig. S2 XRD pattern of the TMSPT-MNPs.

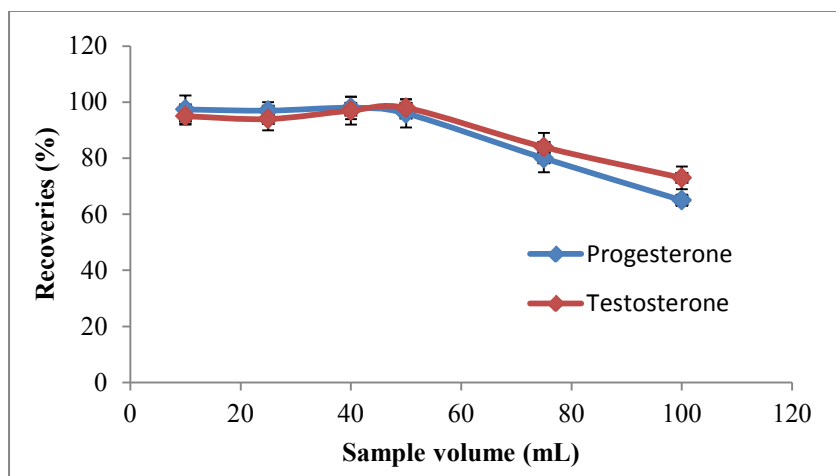


Fig. S3 Effect of Sample volume on the recovery of the steroids. pH; 9, amount of adsorbent; 50 mg, amount of CTAB; 10 mg, analyte concentration; 20 ng mL⁻¹.

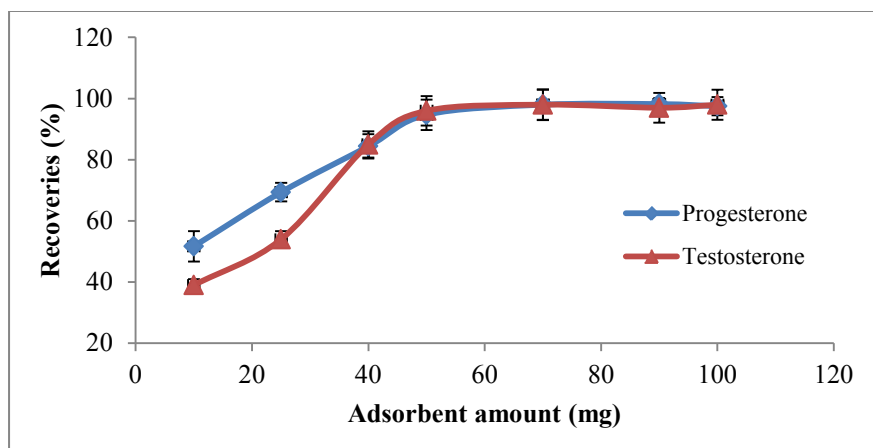


Fig. S4 Effect of adsorbent amount on the recovery of the analytes. pH; 9, sample volume; 50 mL, steroids concentration; 20 ng mL⁻¹.

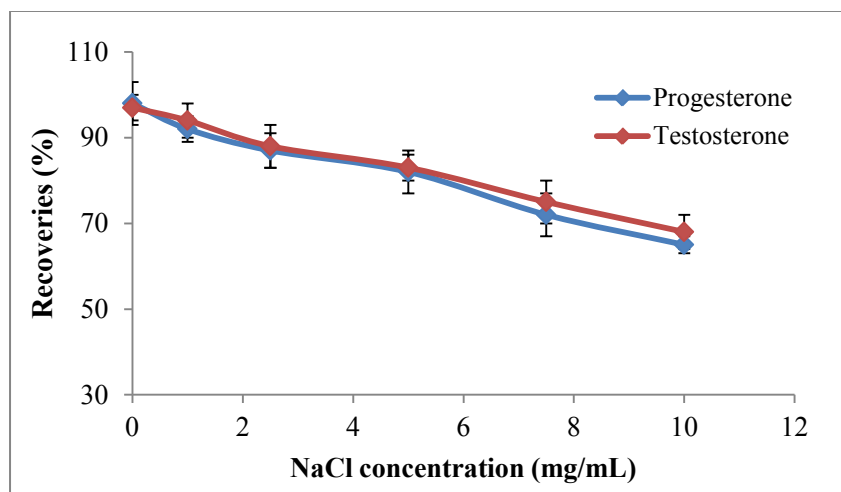


Fig. S5 Effect of ionic strength on the recovery of the steroids. Sample volume; 50 mL, analyte concentration; 20 ng mL⁻¹, pH; 9, amount of adsorbents; 50 mg, amount of CTAB; 10 mg.