**Supplementary File**

**Biofunctionalized nanodot zirconia based efficient biosensing platform for non-invasive oral cancer detection**

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**Figure S1:** Particle size distribution profile of ndZrO2 by using TEM image.

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**Figure S2:** (a)Scan rate studies (b) magnitude of oxidation and reduction current generated as response of scan rate (mV/s) and (c) is the potential as function of scan rate of APTES/ndZrO2/ITO electrode, (d)Scan rate studies (e) magnitude of oxidation and reduction current generated as response of scan rate (mV/s) and (f) is the potential as function of scan rate of BSA/anti-CYFRA 21-1/APTES/ndZrO2/ITO immunoelectrode.