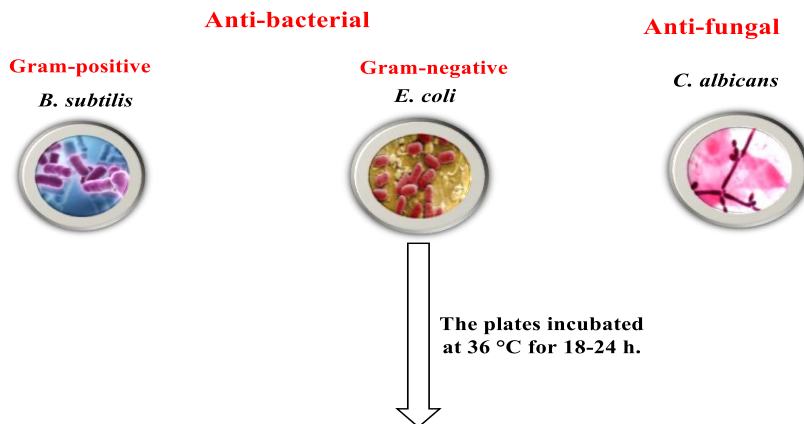


Anti-microbial

The technique was applying by using 1 mg/mL stock solutions of all tested compounds dissolved in 10% DMSO with different concentrations ranging from 64 - 0.5 µg/mL. Paper discs of Whatman filter paper were prepared with standard size (5mm), were cut and sterilized in an autoclave. The paper discs were soaked in the desired concentration of the complex solution were placed aseptically in the petri dishes involving nutrient agar media (agar 20g + beef extract 3g + peptone 5g) seeded with *B. subtilis*, *E. coli* and *C. albicans*.



The plates incubated
at 36 °C for 18-24 h.

At the end of the incubation period, the % activity index values was recorded for the complexes of the substance. Control experiments with DMSO and inoculated media were run parallel to the test compounds under the same conditions



Note that, the antibacterial and antifungal activities of a common standard antibiotic "Ampicillin" and "Clotrimazole" respectively, were also recorded using the same procedure as above at the same concentrations and solvents.

Scheme 3S. Antimicrobial activity screening assay