Susceptibility Test of the Methanol, Petroleum ether and Aqueous Extracts of the Leaves, Stem bark and Roots of *Bobgunnia fistuloides* expressed in millimeter

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Methanol Extracts | | | Petroleum Ether Extracts | | | Aqueous Extracts | | | Ampiclox |
| Bacter  Ia | Leaves | Roots | Stem bark | Leaves | Roots | Stem bark | Leaves | Roots | Stem bark | Control |
| *S. aureus* | - | - | 15.33±0.58b | - | 14.00±1.00a | - | 25.00±1.00e | 18.00±1.00c | - | 22.00±1.00d |
| *E. coli* | - | - | 16.00±0.01c | - | 13.33±0.57a | 32.67±0.58f | 19.00±0.58d | - | 14.00±0.50b | 30.33±0.57e |
| *B. subtilis* | - | - | 16.67±0.00b | - | - | 33.00±1.00d | - | - | 12.00±0.50a | 31.33±0.57c |
| *S. typhi* | - | 13.67±0.58a | 14.00±1.00b | - | 16.50±0.50c | 31.67±.58g | 17.00±0.50d | 19.00±0.60e | 20.00±0.60f | 37.33±0.58h |
| *K. pneumonea* | - | - | 17.00±0.00b | - | 22.67±0.58e | 35.00±1.00f | 18.00±0.50c | 16.00±1.00a | 21.00±0.50d | 41.67±0.58g |

Values are expressed in mean±SD of triplicate determinations. Superscript values labeled a, b, c d, e, f, g and h along the rows are significantly different at p <0.05. SD= standard deviation. - = Not active.

Minimum Inhibitory Concentration (MIC) of the Methanol, Petroleum ether and Aqueous extracts of the Leaves, Roots and Stem bark of *Bobgunnia fistuloides* expressed in millimeter

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Methanol Extracts | | | Petroleum Ether Extracts | | | Aqueous Extracts | | | Ampiclox |
| Bacteria | Leaves | Roots | Stem bark | Leaves | Roots | Stem bark | Leaves | Roots | Stem bark | Control |
| *S. aureus* | - | - | 12.50±0.50b | - | 50.00±1.00d | - | 25.00±1.00c | 50.00±0.60d | - | 2.50±0.50a |
| *E. coli* | - | - | 25.00±0.00b | - | 25.00±1.00b | 100.00±2.65d | 50.00±0.60c | - | 100.00±0.60d | 2.50±0.50a |
| *B. subtilis* | - | - | 25.00±1.00c | - | - | 12.50±0.50b | - | - | 100.00±0.60d | 2.50±0.50a |
| *S. typhi* | - | 25.00±0.00c | 12.50±0.50b | - | 25.00±0.00c | 50.00±1.00d | 50.00±1.00d | 25.00±0.60c | 25.00±0.60c | 2.5±0.50a |
| *K. pneumonea* | - | - | 25.00±1.00b | - | 25.00±2.00b | 100.00±0.00d | 25.00±0.60b | 50.00±0.60c | 25.00±0.60b | 2.5±0.50a |

Values are expressed in mean±SD of triplicate determinations. Superscript values having same alphabets along the rows are significantly different at p <0.05. SD= standard deviation. - = Not active.

Table 4.6: Minimum Bactericidal Concentration (MBC) of the Methanol, Petroleum ether and Aqueous extracts of the Leaves, Roots and Stem bark of *Bobgunnia fistuloides* expressed in millimeter

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Methanol Extracts | | | Petroleum Ether Extracts | | | Aqueous Extracts | | | Ampiclox |
| Bacteria | Leaves | Roots | Stem bark | Leaves | Roots | Stem bark | Leaves | Roots | Stem bark | Control |
| *S. aureus* | - | - | 12.50±0.50b | - | 100.00±1.00d | - | 50.00±1.00b | 50.00±2.00c | - | 2.50±0.50a |
| *E. coli* | - | - | 50.00±2.00b | - | 25.00±0.00b | 100.00±1.00d | 100.00±1.15b | - | 100.00±1.73c | 2.50±0.50a |
| *B. subtilis* | - | - | 25.50±1.00c | - | - | 12.50±0.00b | - | - | 100.00±2.00b | 2.50±0.50a |
| *S. typhi* | - | 50.00±1.00c | 12.50±0.50b | - | 50.00±1.73c | 50.00±2.00d | 100.00±1.00c | 50.00±2.00b | 25.00±1.00b | 2.5±0.50a |
| *K. pneumonea* | - | - | 50.00±2.00b | - | 50.00±2.00b | 100.00±2.64d | 50.00±1.52c | 50.00±1.00c | 25.00±1.00b | 2.5±0.50a |

Values are expressed in mean±SD of triplicate determinations. Superscript values having same alphabets along the rows are significantly different at p <0.05. SD= standard deviation. - = Not active.