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| --- | --- | --- | --- | --- |
| S. No. | Concentrations of T. *wallichiana* Leaf extract AgNPs and Ag2O  | U251 % cells viability with *T. wallichiana* extract | % cells viability with *T. wallichiana* AgNPs  | % cells viability with *T. wallichiana* Ag2ONPs |
| **48hrs** | **72hrs** | **48hrs** | **72hrs** | **48hrs** | **72hrs** |
| 1. | 1.25 ug/ml | 79.0+ 7.74a | 130+ 38.7a | 71.1+ 4.87 a | 86.6+ 3.21a | 80.7+ 15.1a | 108+ 27.3a |
| 2. | 2.5 ug/ml | 76.7+ 5.40ab | 118+ 6.3a | 51.5+ 3.2 6b | 82.4+ 15.8a | 80.0+ 9.49a | 91.6+ 8.37a |
| 3. | 5.0 ug/ml | 76.5+ 5.33ab | 101+ 24.3a | 42.8+ 5.74b | 78.5+ 23.8a | 79.4+ 12.6a | 89.5+ 14.3a |
| 4. | 10 ug/ml | 72.8+ 5.57ab | 91+ 11.5a | 10.7+ 0.75c | 15.4+0.6b | 73.4+ 5.92a | 85.7+ 24.4a |
| 5. | 20 ug/ml | 64.2+ 11.5b | 85+ 21.3a | 9.4+ 0.40c | 14.7+3.4b | 69.6+ 9.26a | 75.9+ 17.7a |
| 7. | F-Value | 2.39 | 0.007 | 167.7 | 35.8 | 2.21 | 0.33 |

**Supplementary Table 2 Statistical analysis of data recorded after 48 and 72 hours after treating U251 cells with *T.wallichiana* leaf extract, AgNPs and Ag2O NPs**. Statistical analysis was performed based on ANOVA and the mean values was compared by performing Fisher LSD test using R Program. Mean values are shown for each treatment along with + SE followed by different letters that are significantly different at P ≤ 0.05.