Comparing treatment ATP with MCC950\_ATP:

Max growth rate - p-value: 0.0079, power difference: 0.2328, means: 0.6610 vs 0.1539

Time to max growth rate - p-value: 0.0075, power difference: 37.4000, means: 0.5000 vs 18.7000

Max speck time - p-value: 0.0073, power difference: 7.0000, means: 3.0000 vs 21.0000

Max specks - p-value: 0.0022, power difference: 0.8520, means: 1.2109 vs 1.0317

Comparing treatment MSU with MCC950\_MSU:

Max growth rate - p-value: 0.0119, power difference: 0.0371, means: 6.1387 vs 0.2279

Time to max growth rate - p-value: 0.0119, power difference: 4.6562, means: 3.2000 vs 14.9000

Max speck time - p-value: 0.0165, power difference: 3.0667, means: 6.7500 vs 20.7000

Max specks - p-value: 0.0000, power difference: 0.0701, means: 24.8581 vs 1.7427

Comparing treatment Nigericin with MCC950\_Nigericin:

Max growth rate - p-value: 0.0079, power difference: 0.0225, means: 34.7371 vs 0.7817

Time to max growth rate - p-value: 1.0000, power difference: 1.0000, means: 0.9000 vs 0.9000

Max speck time - p-value: 0.0099, power difference: 2.3684, means: 1.9000 vs 4.5000

Max specks - p-value: 0.0056, power difference: 0.1857, means: 14.6254 vs 2.7160

Change in untreated group

ATP has significant growth compared to zero time at time points 05.-7.5 Hours (peak p=0.007495)

MSU has significant growth compared to zero time at time points 1.0→(peak p=0.021071)

Nigericin has significant growth compared to zero time at time points 0.5 – 9 hours (peak p=0.007495)

Summary Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Treatment | Max Specks (Absolute) | Max Specks (Normalized) | Max Growth Rate | Time to Max Specks | Time to Max Growth Rate |
| ATP | 109.600 | 2.329857 | 1.321936 | 3.00 | 0.5 |
| MSU | 616.125 | 44.042614 | 12.277489 | 6.75 | 3.2 |
| Nigericin | 1520.400 | 66.301131 | 69.474292 | 1.90 | 0.9 |
| MCC950\_ATP | 426.400 | 1.721840 | 0.307713 | 21 | 18.7 |
| MCC950\_MSU | 638.800 | 2.999935 | 0.455803 | 20.70 | 14.9 |
| MCC950\_Nigericin | 924.400 | 4.268331 | 1.563487 | 4.5 | 0.9 |