| **Fixed Scenario Elements** | |
| --- | --- |
| **Distribution** | Exact conditional |
| **Method** | Walters normal approximation |
| **Number of Sides** | 1 |
| **Group 1 Proportion** | 0.0075 |
| **Group 2 Proportion** | 0.1575 |
| **Alpha** | 0.05 |

| **Computed N Per Group** | | | |
| --- | --- | --- | --- |
| **Index** | **Nominal Power** | **Actual Power** | **N Per Group** |
| **1** | 0.7 | 0.705 | 39 |
| **2** | 0.8 | 0.805 | 47 |
| **3** | 0.9 | 0.900 | 59 |

1. If the power=0.8, then the sample size will be n=47 for each group.
2. If the sample size is n=500 for each group, the power >0.999.

This is based on Fisher exact test, supposing that infection rate for steroid intervention group is 15% increase compared to control group.