Figure 1

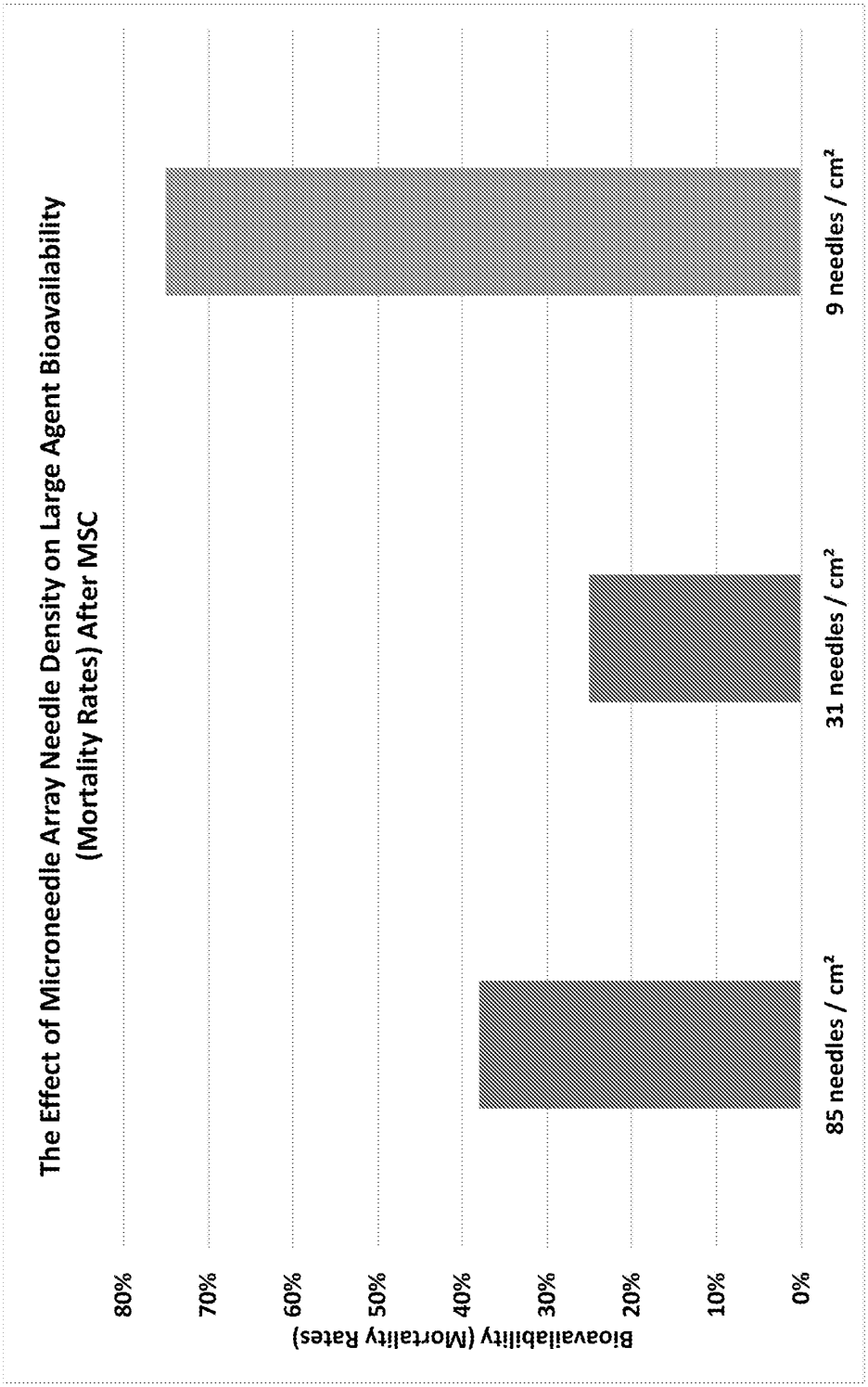
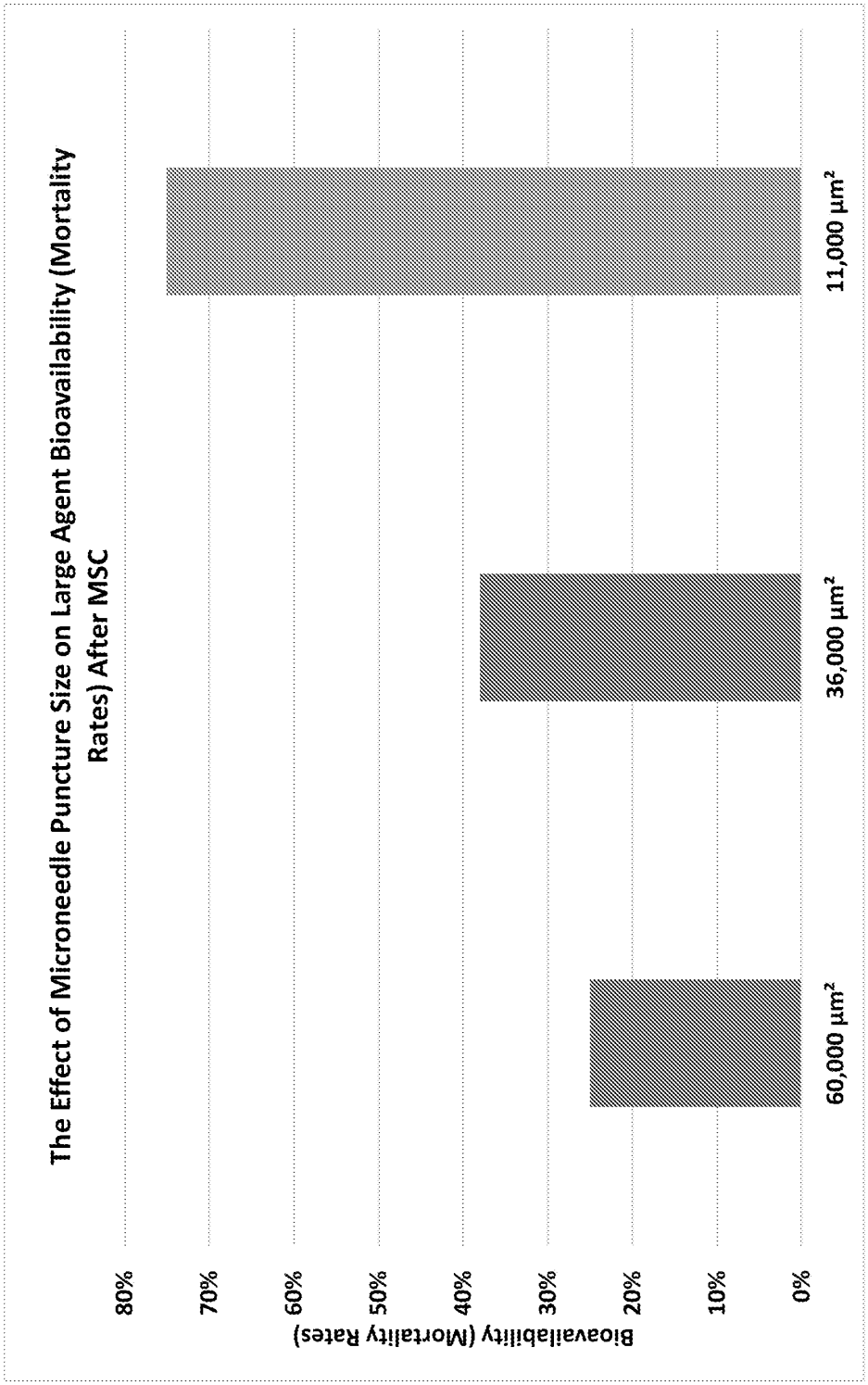

The Effect of Microneedle Array Needle Density on Large Agent Bioavailability
(Mortality Rates) After MSC
Bioavailability (Mortality Rates)
80%
70%
60%
50%
40%
30%
20%
10%
0%
85 needles / cm²
31 needles / cm²
9 needles / cm²

Figure 2


The Effect of Microneedle Puncture Size on Large Agent Bioavailability (Mortality Rates) After MSC
Bioavailability (Mortality Rates)
80%
70%
60%
50%
40%
30%
20%
10%
0%
60,000 µm²
36,000 µm²
11,000 µm²