

Figure 1. Side-by-side comparison of bacteria growth: positive control with only bacteria cells (left), 10-cycle ALD cotton (center), and 100-cycle ALD cotton (right).

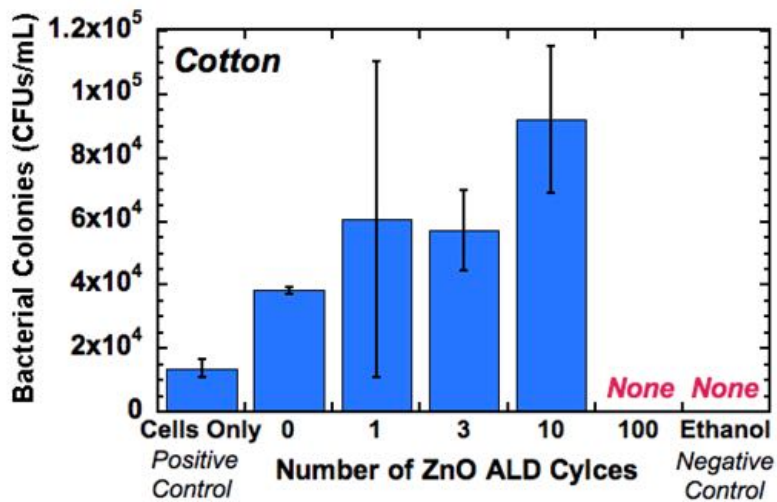


Figure 2. Quantitative results of bacteria colony forming units (CFUs/mL) as a function of number of ALD ZnO cycle. Cycles included 0, 1, 3, 10, and 100. The number of bacteria colonies that grew approximately increased with the amount of ALD cycles, except for 100 cycles, where the ZnO is assumed to be “nano-sized” and effectively cytotoxic.