

As you know, we performed some spot checks on the Altapure cleaning before and during our trial. Prior to our implementing the program, we placed petri plates that had been inoculated by our microbiology lab with non-pathogenic bacteria (Micrococcus), left open and placed in various locations throughout the room before the Altapure process started. Then, after completion, we re-covered the petri dishes and returned them to the micro lab for processing. A comparable set of petri dishes that had also been inoculated were similarly left uncovered for the same amount of time in an unoccupied room that was not being given the Altapure treatment. **Results showed that there was NO GROWTH in 18 of 18 plates that had been placed in the Altapure treated room,** but 9 of 18 plates grew Micrococcus in the untreated room. We repeated this kind of sampling midway into the trial, when we sampled 15 high touch room surfaces before and after an Altapure treatment, using swab culturettes. **In this experiment, again there was NO GROWTH on any of the swabs after the Altapure treatment was performed.** Most recently, the following experiment was carried out by Kristen and our staff. This was attempting to compare the effectiveness of manual cleaning with bleach vs. **Altapure (listed as HLD in the table below),** and measuring it by either microbiologic cultures (similar to what we did above) or by using an ATP measuring system. **As you can see, again, there was NO GROWTH from any of the surfaces from the 10 rooms cleaned with Altapure,** much better than the 10 rooms cleaned with bleach. ATP results showed only minimal differences between the rooms (realizing that ATP would detect both viable and non-viable organic matter on the surfaces). We are preparing an abstract for APIC with the following data and our interpretation. Hope this is helpful.

Table 1: Percentage of High Touch Surfaces Cleaned

	% Clean with HLD	% Clean with Manual Bleach
High Touch Surfaces Tested	ATP Micro Cx	ATP Micro Cx
Phone	40% 100%	20% 20%
Toilet	80% 100%	75% 25%
Toilet handle	100% 100%	25% 50%
Toilet Hand Rail	40% 100%	25% 50%
Right Upper Bed Rail	60% 100%	80% 100%
Bathroom Door Knob	100% 100%	50% 75%
Thermometer	40% 100%	75% 75%
Call Light	0% 100%	0% 100%
Bedside Table	40% 100%	0% 20%
Hamper Lid	40% 100%	60% 40%
Caremobile	20% 100%	40% 80%
Bed Footboard	40% 100%	40% 40%
Number of high touch surfaces tested	60 55	60 55
Total Percentage Clean	50% 100%	40% 56%

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