**Supplementary Material**

**Study protocol**

Phase I: Determination of the ATP bioluminescence value (relative light units) of Glo Germ. Phase I is to establish an ATP bioluminescence measurement of the GloGerm product. The following protocol was performed.

1. Following terminal room cleaning, high-touch objects (see table) were measured using the Hygiena SystemSURE Plus ATP Cleaning Verification System (Hygiena, LLC).
2. Ensure that all sites listed above reach a reading of <25 RLUs. Record the final RLU for each site.
3. Apply 1 mL of Glo-Germ Gel system (Glo Germ Gel, EcoLab) in a 1 cm diameter circle.
4. Confirm visibility of GloGerm using UV light.
5. Measure ATP bioluminescence of the Glo Germ sites three times each (sequentially). Record these values. No additional cleaning by Environmental Services (EVS) required at this time.

Phase II: ATP bioluminescence followed by Glo Germ

1. Prior to terminal room cleaning, apply Glo Germ to high-touch objects.
2. Allow EVS staff to perform terminal room cleaning.
3. Measure the high-touch objects using ATP bioluminescence. Do not use UV light. Record RLUs for each site.
4. Have EVS staff clean sites until ATP bioluminescence readings are <25 RLUs. Record these final values. Document any areas that require recleaning.
5. Once all sites are measured at <25 RLUs, go back to all high-touch object sites using UV light and document which, if any, remain positive under UV light. No further cleaning is required at this time by EVS staff.

Phase III: Glo Germ followed by ATP bioluminescence

1. Prior to terminal room cleaning, measure ATP bioluminescence of each high-touch object. Record the RLU values.
2. Apply Glo Germ to each site.
3. Allow EVS staff to perform terminal room cleaning.
4. Use UV light to ensure all Glo Germ has been removed by terminal cleaning.
5. If any areas still have Glo Germ in place, have EVS staff reclean those areas. Document any areas that require recleaning.
6. After all sites have no detectable Glo Germ in place, measure ATP bioluminescence of each high-touch object site. Record RLUs for each site. No further cleaning is required at this time by EVS staff.