Reviewer’s report

Title: Evaluation of a pulsed-xenon ultraviolet room disinfection device for impact on contamination levels of methicillin-resistant Staphylococcus aureus.

Version: 2 Date: 18 June 2013

Reviewer: Nancy Havill

Reviewer’s report:

General Comments:
The manuscript entitled: "Evaluation of a pulsed-xenon ultraviolet room disinfection device for impact on contamination levels of methicillin-resistant Staphylococcus aureus" is a well written manuscript evaluating the level of bacterial counts, before and after two different cleaning regimens. I have only a few minor comments

1. In the methods section, how long was the bleach allowed to dry before the samples were taken after rooms were manually cleaned.

2. Would the TSA with Lecithin and Tween 80 neutralize bleach?

3. In the discussion section, can you address whether the housekeepers were observed during the manual cleaning process as this would be a limitation of the study because the reduction in bacterial counts after cleaning would not reflect the efficacy of the manual cleaning process, but the lack of actual cleaning of the item. This may also affect the results of the PPX-UV arm, if it is not know what sites were wiped of visible soil, which could account for the lower bacterial counts

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I have received research support from Bioquell Inc, 3M and Lumalier.