

There are two main components to a full microbial cleaning challenge study:

1. **Use-Dilution testing** ensures that agents at their in-use concentrations, whether premixed or mixed on-site, can decontaminate a surface in the contact time specified.
2. **Surface-Challenge testing** determines the effectiveness of cleaning agents and SOPs to remove contamination from simulated surfaces against challenge microorganisms.

**\*\*Please include a copy of your cleaning procedure and cleaning agent manufacturer documentation with your completed questionnaire\*\***

| QUESTIONS  | ANSWERS  |
|--|--|
| 1. Please provide contact/ quote information:  | Name:<br>Business Name:<br>Address:<br>Phone:<br>Email:  |
| 2. A complete cleaning study includes both Use-Dilution and Surface-Challenge components. Which study components would you like to conduct?  | <input type="checkbox"/> <b>Both Use-Dilution &amp; Surface-Challenge</b><br><input type="checkbox"/> <b>Use-Dilution Only</b><br><input type="checkbox"/> <b>Surface-Challenge Only</b> |
| 3. Please list the cleaning agents in use at your facility to include in the study <sup>1</sup> :  |  |
| 4. Please list the challenge microorganisms you would like to include in your study:<br><br><u>USP provides the following suggestions:</u><br><i>E. coli, S. aureus, P. aeruginosa, C. albicans, A. brasiliensis, B. subtilis, and Penicillium chrysogenum.</i><br><br>These organisms are representatives of commonly found bacteria & fungi. If USP challenge organisms are omitted from the study, justification should be drafted. |  |
| 5. USP suggests environmental isolates from your facility be used as challenge organisms in addition to those above. Please list additional organisms of interest:   |  |
| 6. Please list the surfaces on which you would like to demonstrate your cleaning procedure's effectiveness <sup>2</sup> :<br><br>Examples: 304 Stainless steel counter, bench surface, glass window, epoxied floor, light cover  |  |
| 7. Goals of study, Number of Replicates, Comments, or Special Requests:  |  |

<sup>1</sup>Clients will be asked to provide adequate amounts of each of their cleaning agents to ARL to perform the testing requested.

<sup>2</sup>Clients will be asked to provide surface samples ("coupons") to ARL for each of the surfaces used in the study. Coupons should be a minimum of 5 cm x 5 cm and ~20 of each will be requested. The number of coupons requested may vary based on the number of cleaning agents and organisms.