### Validating Innovation: The Science Behind Steripuck Disinfectant Wipes



Louisville, Colorado, USA

### At a Glance

An R&D study was conducted at the Hyde Analytical Laboratory utilizing a rapid microbial method (RMM) to assess efficacy of a novel ready-to-use sanitizing wipe packaging technology which reduces waste and improves efficacy of surface decontamination.

## About Hyde Engineering + Consulting

Hyde Engineering + Consulting has been a global leader in process system design, commissioning, and FDA compliance for regulated industries since 1993.

#### Our Results

40-60%
Reduction in Chemical
Consumption

40-70%
Reduction in Water
Consumption

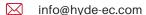
45-70% Increase in CIP System

Availability

Throughput

1.5-2.5X
Increase in Manufacturing

# Hyde





www.hyde-ec.com



Louisville, Colorado, USA

Collaborators: www.steripuck.com

### **PROJECT GOALS**

- Use a luminometer to evaluate efficacy of reducing microbial load on 316L stainless steel and borosilicate glass surfaces.
- Compare efficacy against a leading industry bulk packaged wipe system.
- Perform product testing to assess differences in container sizes.

### **PROJECT COMPONENTS**

- · Test plan development
- · Feasibility studies
- Wipe comparison

### **PROJECT OUTCOME**

- The study demonstrated a three-log reduction in microbial load measured in remaining total ATP.
- Comparison data was generated showing and improved efficacy of the steripuck wipes compared to industry standard bulk wipes.
- Rapid microbial method was found to be a reliable developmental method for assessing microbial residue on surfaces following cleaning.

