

# 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

**45-70%**

Increase in CIP System Availability


**40-70%**

Reduction in Water Consumption

**1.5-2.5X**

Increase in Manufacturing Throughput



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## 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

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

