

Resurgent Health and Medical's handwashing systems removed 99.994% of Norovirus in Laboratory Studies

Norovirus cannot be "controlled" by alcohol sanitizers

GOLDEN, Colo. August 11th, 2008 — Resurgent Health and Medical, a leader in automated handwashing and sanitizing technology, announced today that independent, clinical laboratory studies showed that Resurgent's handwashing systems removed 99.994% of the Norovirus test organism (feline calicivirus). The studies were performed in June 2008 at BioScience Laboratories in Bozeman, MT.

"Most of the public is unaware that Norovirus and other emerging and dangerous pathogens are not killed by alcohol based gel sanitizers. The problem is that most of our hospitals and health care facilities rely on alcohol sanitizers as a substitute for good handwashing practices. The use of alcohol is simply not effective against Norovirus, whether it is in a health care setting or in a public place like a cruise ship," said Jim Glenn, CEO of Resurgent Health and Medical. "The effectiveness of our systems in eliminating Norovirus from the hands after a 15 second wash represent, we believe, a breakthrough in finding ways to combat this growing problem. And more and more restaurants, public places and health care facilities are adopting our technology based approach to hand hygiene to reduce or eliminate the risk of transmitting this viral infection because of poor hand hygiene."

This study evaluated the performance of Resurgent's IC automated hand cleansing system set for a total cycle length of 15 seconds using 5 ml Chlorhexidine Gluconate 2% (CHG) antimicrobial agent against Feline Calicivirus surrogate for **Norovirus** as the marker organism. The transient microorganism reduction by Resurgent's automated system was measured at a statistical summary of the mean \log_{10} of **3.97**, which equated to a reduction of **99.99%** removal of the virus, with some results having a higher \log_{10} of up to **4.25**, which equates to a reduction of **99.994%** removal of the virus. These results demonstrate the effectiveness of Resurgent's hand hygiene systems in a true clinical setting using human subjects, as opposed to in vitro methods that are used to test the effectiveness of most hand hygiene products.

The methodology for this evaluation was based on the *Standard Test method for Determining the Virus-Eliminating Effectiveness of Liquid Hygienic Handwash and Handrub Agents Using the Fingerpads of Adult Volunteers*, ASTM E 1838.02.

The CleanTech touchless system performs a fully-automated twelve-second wash, sanitize and rinse cycle. Using Meritech's proprietary Chlorhexidine Gluconate (CHG) sanitizing solution, the single cycle removes over 99.9% of pathogens and continues to kill germs for up to six hours. The FDA certified CHG-based sanitizer contains mild skin conditioners to continuously improve skin health while removing dangerous germs.

The system further boosts compliance by ensuring a pleasant, uniform handwash using high-pressure water jets that perform a consistent wash-and-sanitize cycle every time the machines are used.

About Resurgent Health & Medical

Resurgent Health and Medical delivers state of the art employee hygiene technologies to hospitals and healthcare facilities that are serious about infection prevention and the elimination of dangerous pathogens in the healthcare industry. Our patented CleanTech® infection prevention technology brings science and precision to the process of removing dangerous microbes from employee hands. For almost 20 years, its Cleantech® brand systems have been used worldwide in agriculture, food processing, food service, cleanroom manufacturing and healthcare. CleanTech uses up to 75% less water than manual handwashing, discharges 75% less wastewater, and reduces waste in soap utilization. For more information, visit <http://www.resurgenthealth.com>

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