



**PureBiotics® Study Summary Page From
The 7th Annual Health Risk Management Forum
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The results of the research performed at
Department of Rehabilitation Medicine
At The S. Giorgio Hospital**



Main Speakers:

Prof. Sante **Mazzacane** (Scientific Director of CIAS- Centro Ricerche Inquinamento fisico chimico microbiologico ambienti ad alla sterilit – Università di Ferrara).

Dr. Paola M. **Antonioli** (President ANMDO Emilia-Romagna- Direttore Struttura Dipartimentale, Igiene Ospedaliera – Qualità Servizi Ambientali- Risk Management Azienda Ospedaliero- Universitaria di Ferrara).

Highlights of the presentations: Comparison of StaBiotics® to Disinfectants

Figure 2.

Overall Reduction of pathogens from probiotic cleaning compared to chemical cleaning	
S. aureus	90%
Pseudomonas	82%
Candida spp.	90%
Coliforms	92%
Acinetobacter spp	78%

From January 2012 to October 2012 there was a reduction was **34.3%** in Hospital Acquired Infections at the Rehab Center S. Giorgio. Our conclusion is that the use of probiotic enhanced cleaners significantly reduces pathogens in the hospital environment for greater durations than disinfectants, and that along with good hospital practices and good hand hygiene there can be significant reductions in Hospital Acquired Infections.

Figure 1.

Chemical cleaning	30 minutes after disinfection	7 hours after disinfection
S. aureus	54.50 cfu/100 cm ²	97.95 cfu/100 cm ²
E. coli	9.41 cfu/100 cm ²	23.01 cfu/100 cm ²
StaBiotic cleaning	6 hours before cleaning	7 hours after cleaning
S. aureus	30.50 cfu/100 cm ²	14.70 cfu/100 cm ²
E. coli	11.16 cfu/100 cm ²	4.60 cfu/100 cm ²

With these results we observed that the effect of suppression caused by the probiotics was stable over the course of time.