

Microbiological Validation of PIP Hand Soap and PIP ProbioGel

Location: Ghent, Belgium

Date: February 2009

Products used: PIP Hand Soap and PIP ProbioGel

Co-ordinator: Robin Temmerman

Goal of the test

To verify the effect of PIP Hand Soap and PIP ProbioGel on the micro flora of the skin.

Results

The test consisted out of three phases:

- Phase 1: comparative test for immediate pathogen removal.
- Phase 2: protective effect of the probiotic bacteria
- Phase 3: test in a real life situation

The results of Phase 1 indicated that PIP Hand Soap without probiotic bacteria was equally efficient in compared to other hand soaps and sanitizers.

The tests in Phase 2 indicate that the addition of the probiotic bacteria resulted in a improvement of the product performance. The probiotic bacteria were transferred to the skin and the risks of other micro-organisms was significantly reduced and suppressed for a longer period of time after application of PIP Hand Soap and/or PIP Probiogel.

The results of Phase 3 showed that the everyday use of the skin cleansers provided a long lasting microbial protection of the hands.

Although occasional bacterial contamination by hand contact with highly contaminated surfaces can never be prevented, the use of probiotic hand hygiene products certainly reduces the risk of pathogenic organisms on the hands.

Conclusion

PIP Hand Soap and PIP Probiogel form a healthy and protective micro flora on the hands.