

PIP Toothbrush – Validation Trial

Location: Ghent, Belgium

Date: April 2009

Products used: PIP Toothbrush Cleaner.

Co-ordinator: Guy Vossen

Goal of the test

To validate the effects of PIP Toothbrush Cleaner on the establishment of micro flora on toothbrushes.

Results

A toothbrush is an important reservoir and vector of pathogenic and tooth decay bacteria. Chrisal has developed a toothbrush rinse containing probiotic bacteria that will prevent and/or remove biofilm on toothbrushes and establish a stable and healthy micro flora. As a result, the toothbrush stays clean and the risk of problems with pathogenic or tooth decay bacteria is strongly reduced.

During the validation trial that lasted for 5 weeks the effect was monitored by means of test subjects. The group was divided in two; one group acting as a control group did not use the PIP Toothbrush Cleaner, whereas the second group did use the PIP Toothbrush Cleaner.

The results showed that the probiotic bacteria immediately colonized the toothbrush kept in the Toothbrush Cleaner and the risk of pathogenic bacteria decreased. The control toothbrushes that were not rinsed in the Toothbrush Cleaner had an unstable micro flora with greater risks of harmful bacteria. After 5 weeks using PIP Toothbrush Cleaner, the following results were measured:

- The colonization of the PIP bacteria on the toothbrushes was effective.
- The risk of bacteria indicating poor hygiene was on average 68% lower with brushes rinsed in the PIP Toothbrush Cleaner.
- The risk of pathogens (bad germs) was on average 52% lower with brushes rinsed in PIP Toothbrush Cleaner.

Conclusion

The frequent use of PIP Toothbrush Cleaner establishes a healthy and safe micro flora on the toothbrush.