



## Plaque Removal

in vivo study\*

# Comparison of plaque removal by novel Philips Sonicare sensitive brush head and a manual toothbrush

Putt M, Milleman J, Jenkins W, Schmitt P. Data on file, 2010

### Objective

To evaluate the plaque removal efficacy and safety of the Sonicare sensitive brush head and a manual toothbrush.

### Methodology

A randomized, examiner-blinded, parallel-design study was conducted in a population of 60 healthy adults (45 females, 15 males) aged 18–63 years (mean age: 39.4) who have been using Philips Sonicare FlexCare with ProResults brush head at home for technique familiarization. These subjects presented to the clinic with 24 (+/- 4) hours of plaque growth and were randomized to use one of the two test devices. The test devices were Sonicare sensitive brush head and ADA reference manual toothbrush. To assess single-use efficacy in plaque removal, plaque scores were assessed before and after brushing using the Turesky-Modified Quigley-Hein Plaque Index. Safety was assessed in an oral soft tissue examination.

### Results

The Sonicare sensitive brush head removed significantly more plaque than a manual toothbrush overall and in all sub regions, including hard-to-reach areas. The Sonicare sensitive brush head removed 54% more plaque overall than a manual toothbrush. Both products were safe for use.

### Conclusion

The Sonicare sensitive brush head was found to remove significantly more plaque than a manual toothbrush when assessed over the entire dentition (overall) as well as in hard-to-reach areas.

**Sonicare Sensitive Brush Head vs Manual Toothbrush**  
% of Plaque Reduction

