

### Published clinical trials:

A blind, two-way crossover clinical trial was carried out by the College of Dentistry, University of Saskatchewan, Canada with 80 high school children of both sexes aged 13-16 years. The aim of the study was to compare the plaque removing ability of the Soladey toothbrush with a toothbrush of identical appearance but with an imitation bar made of synthetic resin (control brush) in place of the semiconductor. Both groups were advised to use the brushes according to the manufacturer's instructions for a period of 3 weeks using a small amount of a standard toothpaste which was provided. *The result of this study indicated that the Soladey toothbrush had better plaque removing ability, especially on the buccal surfaces<sup>1</sup> of all teeth, than the control brush without the semiconductor.*

Hoover JN, Singer DL, Pahwa P and Komiyama K: Clinical evaluation of a light energy conversion toothbrush  
J Clin Periodontal 1992; 19: 434-436

A study was carried out by the Department of Preventative and Community Dentistry, Nippon Dental University in Tokyo with 60 adult female subjects who were dental hygiene school students. One group (32) used the Soladey and another group (28) used a conventional toothbrush (control). The subjects' oral conditions were examined 1, 2 and 3 weeks later using five standardised tests. *After the 3rd week there was a significant improvement in gingivitis<sup>2</sup> and oral cleanliness in the group using the Soladey compared with the control group.*

Motö Niwa and Masaomi Kukuda: Clinical Study on the control of dental plaque using photo energy conversion in a toothbrush equipped with a TiO<sub>2</sub> semiconductor.  
Shigaku Vol 77 No 2: August 1989 p 598-606

<sup>1</sup> Outer surfaces of the teeth nearest cheeks or lips.

<sup>2</sup> Inflammation of the gums, characterised by redness and swelling.

For more details of the published trials please visit [www.pitrok.co.uk/soladey](http://www.pitrok.co.uk/soladey)



# Soladey-2



## ionic toothbrush



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**PIT  
ROK**

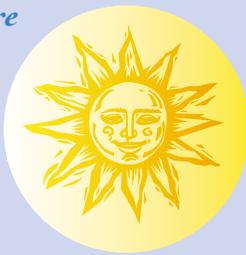


*The original, popular and revolutionary light-activated toothbrush from Japan with superior plaque removing ability - proven by published clinical trials.*

### A Revolution in Dental Care!

It looks like an ordinary toothbrush, but closer examination reveals a rod that runs through the replaceable bristle head and into the handle. This metal rod is the secret of Soladey-2™. It's made of a patented semiconductor material that when activated by light produces electrons that help to remove dental plaque and improve oral hygiene.

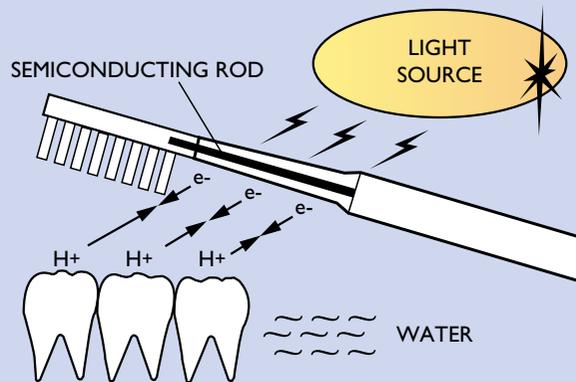
*In Japan over 2 million Soladey toothbrushes and 5 million replacement heads are sold each year!*



### How it works

When exposed to any light source (a fluorescent bathroom light, a plain light bulb, or sunlight), the photosensitive titanium rod inside Soladey converts light into negatively charged electrons (ions). The rod releases these ions, which blend with saliva to attract positive (hydrogen) ions from the acid in the dental plaque.

The acid is then neutralised and plaque is disintegrated - a scientific approach to a cleaner and healthier mouth! Toothpaste is not required as water (saliva) is the active ingredient - oral hygiene now becomes not only natural, but also economical!



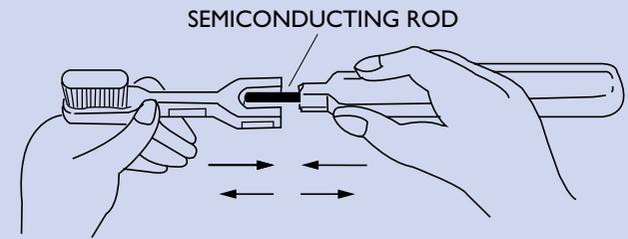
### How to use Soladey

After wetting the bristles and semiconductor with water, brush your teeth lightly and thoroughly in the same way as with an ordinary toothbrush. You may, if you wish, use a very small amount of your preferred toothpaste on the bristles, although this is not necessary with Soladey. Make certain there is always an adequate light source (natural or artificial) on the semiconductor rod as this is needed for activation. If necessary the mouth should be kept partly open while brushing.



With sensible care, the handle and rod will last for years, requiring only inexpensive replaceable heads. This means that you can use the Soladey toothbrush at a cost comparable to a regular toothbrush.

To keep your Soladey toothbrush operating at maximum efficiency, replace the brush portion as often as you would replace a regular toothbrush. The diagram below illustrates the proper method of replacing the brush. Pull the head and handle apart along the axis. Do not twist or bend the head and handle while changing the brush.



### Benefits

- Superior plaque removing ability providing improved oral hygiene
- Teeth feel and look cleaner
- Environmentally friendly using ionic technology - no need to use toothpaste
- Using changeable heads, Soladey is affordable and economical
- Proven effectiveness by millions of users and by published controlled clinical trials

