PROTECTOR®
Health & Hygiene

A Promise of Healthy Living



A Complete Antiviral & Antibacterial Toothbrush For Oral Hygiene

Keeps Viruses, Bacteria and Microbes away



Toothbrushing is vital for Oral Hygiene. Good Dental Practices are necessary to keep the teeth healthy and in fettle state. However, toothbrushes have been reported as a medium for microbial retention, growth & contamination. Contaminated toothbrushes may cause recurrence of infections that consequently result in periodontal diseases.



Viruses, bacteria, and microbes get hold of the toothbrush from the environment in which toothbrushes are kept. Washroom is an ideal place for bacteria & microbes and an ordinary toothbrush may get contaminated with millions of toilet germs. Every time you flush without closing the lid, microbial droplets spray into the air as far as 20 feet away, contaminating everything on the way. The most sensitive victim is your toothbrush usually placed at the bathroom sink.

Moist environment is an additional factor that also promotes microbial growth in the washrooms. From the environment and oral cavity of the user, more and more microbes settle onto the toothbrush, posing threat to its user's health and mostly aftermath in serious illnesses. Numerous studies have confirmed toothbrushes get contaminated by different species of microbes such as ***E. coli, Staphylococcus, Lactobacilli, Pseudomonas, Klebsiella*** and ***Candida*** prevalent in the washroom environment. These microbes are responsible for ***dental plaques, Caries, Gingivitis & Periodontitis diseases.*** These microbes are also major contributors of many infectious diseases not limited to diarrhea, typhoid, cholera, gastroenteritis, and hepatitis.



Moreover, deadly infections like Coronavirus which can be spread predominantly by droplet spread of Coronavirus through sneezing and coughing. Thus, toothbrush of an infected person placed in shared toothbrush holder can also be a source of contamination to other toothbrushes.

Contamination occurs on the toothbrush's neck, grooves, handle, and can later spread throughout the length of bristles including insertion points on the toothbrush head; hence, whole toothbrush gets contaminated.

Once contaminated toothbrush is used, it transfers large numbers of harmful microbes to the hands, mouth and oral cavity of the user.

Health & Hygiene Ltd has developed a complete Antiviral & Antibacterial Toothbrush from bristles, head to handle that reduces the risk of microbial threats by 99.99%.



Protector® Toothbrushes are manufactured by incorporating **d_2p Antimicrobial Technology** and **DuPont Tynex® StaClean Antimicrobial Bristles** to keep viruses, bacteria and microbes away. d_2p Antimicrobial Technology is effective against over 50 dangerous microbes including Coronavirus. d_2p Antimicrobial Technology is safe to use and materials are in compliance with EPA, FDA and EU regulations.

Protector® Toothbrushes have been extensively tested by international third party labs for Antiviral and Antibacterial performance. Protector® Toothbrush is 99.9% **effective against Coronavirus** strain MHV-3 genus Beta coronavirus tested in accordance with ISO 21702. Its antibacterial efficacy is 99.99% tested in accordance with **ASTM E 2149** and **ISO 22196.** Protector® Toothbrushes comply to US 21 CFR FDA and EU regulation No. 10/2011. Viruses, bacteria and microbes are killed upon contact with Protector® Toothbrush surface, hence providing **safe, healthy & smiley brushing.**



Protector® Antiviral & Antibacterial Toothbrush - Premium Soft



Antimicrobial Bristles

DuPont Tynex® StaClean Antimicrobial Bristles inhibit microbial growth on the filaments. Proven bacteriostatic effectiveness compared to the control filaments.
Soft bristles with smooth and round ends are gentle on teeth and gums. Soft bristles for the people with sensitive teeth make it easier to brush gently, yet effective.

Antiviral & Antibacterial Head & Handle

Provide complete protection against viruses, bacteria and microbes. Its special shape provides comfortable and easy access to back teeth.





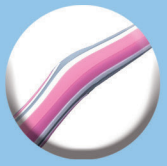
Profiled Hole

Profiled hole bristles clean the parts hard to reach more efficiently.



Magnet

Rare earth high strength magnet embedded on toothbrush head sort out gingival and oral microcirculation.



Antiviral & Antibacterial Grip

rubber injected grip for safe brushing & greater comfort.

Antiviral & Antimicrobial Cap

Provides protection against viruses, bacteria & microbes. Also keeps the brush safe and clean from external threats.



Product Code: HBA152: Soft Bristles
Packaging Blister card: 1 brush & 1 cap



Protector® Antiviral & Antibacterial Toothbrush - Premium Medium



Antimicrobial Bristles

DuPont Tynex® StaClean Antimicrobial Bristles inhibit microbial growth on the filaments. Proven bacteriostatic effectiveness compared to the control filaments.

Antiviral & Antibacterial Head & Handle

Provide complete protection against viruses, bacteria and microbes. Its special shape provides comfortable and easy access to back teeth.





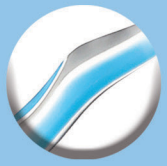
Profiled Hole

Profiled hole bristles clean the parts hard to reach more efficiently.



Magnet

Rare earth high strength magnet embedded on toothbrush head sort out gingival and oral microcirculation.



Antiviral & Antibacterial Grip

rubber injected grip for safe brushing & greater comfort.



Antiviral & Antimicrobial Cap

Provides protection against viruses, bacteria & microbes. Also keeps the brush safe and clean from external threats.



Product Code: HBA172: Medium Bristles
Packaging Blister card: 1 brush & 1 cap



Protector® Antiviral & Antibacterial Toothbrush - Standard
Soft



Antimicrobial Bristles

DuPont Tynex® StaClean Antimicrobial Bristles inhibit microbial growth on the filaments. Proven bacteriostatic effectiveness compared to the control filaments.
Soft bristles with smooth and round ends are gentle on teeth and gums. Soft bristles for the people with sensitive teeth make it easier to brush gently, yet effective.

Antiviral & Antibacterial Head & Handle

Provide complete protection against viruses, bacteria and microbes. Its special shape provides comfortable and easy access to back teeth.





Antiviral & Antibacterial Grip

rubber injected grip for safe brushing & greater comfort.



Antiviral & Antimicrobial Cap

Provides protection against viruses, bacteria & microbes. Also keeps the brush safe and clean from external threats.



Product Code: HBA252: Soft Bristles
Packaging Blister card: 1 brush & 1 cap

Protector® Antiviral & Antibacterial Toothbrush - Standard
Medium



Antimicrobial Bristles
DuPont Tynex® StaClean Antimicrobial Bristles inhibit microbial growth on the filaments. Proven bacteriostatic effectiveness compared to the control filaments.

Antiviral & Antibacterial Head & Handle
Provide complete protection against viruses, bacteria and microbes. Its special shape provides comfortable and easy access to back teeth.





Antiviral & Antibacterial Grip
rubber injected grip for safe brushing & greater comfort.



Antiviral & Antimicrobial Cap
Provides protection against viruses, bacteria & microbes. Also keeps the brush safe and clean from external threats.



Product Code: HBA272: Medium Bristles
Packaging Blister card: 1 brush & 1 cap



Protector® Antiviral & Antibacterial Toothbrush - For Kids
Extra Soft



Antimicrobial Bristles
DuPont Tynex® StaClean Antimicrobial Bristles inhibit microbial growth on the filaments. Proven bacteriostatic effectiveness compared to the control filaments. Extra Soft bristles play very gentle on teeth and gums.

Antiviral & Antibacterial Head & Handle
Provide complete protection against viruses, bacteria and microbes. Its special shape provides comfortable and easy access to back teeth.





Antiviral & Antibacterial Grip
rubber injected grip for safe brushing & greater comfort.



Antiviral & Antimicrobial Cap
Provides protection against viruses, bacteria & microbes. Also keeps the brush safe and clean from external threats.





Product Code: HBK352 – Soft Bristles
Packaging Blister card: 1 brush & 1 cap



Protector® Antiviral & Antibacterial Toothbrush - For toddlers

Extra Soft



Antiviral & Antibacterial Head & Handle

Provide complete protection against viruses, bacteria and microbes. Its special shape provides comfortable and easy access to back teeth.



Antimicrobial Bristles

DuPont Tynex® StaClean Antimicrobial Bristles inhibit microbial growth on the filaments. Proven bacteriostatic effectiveness compared to the control filaments. Extra Soft bristles play very gentle on teeth and gums.



Antiviral & Antibacterial Grip

rubber injected grip for safe brushing & greater comfort.



Antiviral & Antimicrobial Cap

Provides protection against viruses, bacteria & microbes. Also keeps the brush safe and clean from external threats.





Product Code: HBT452: Soft Bristles
Blister card: 1 brush & 1 cap



Protector® Antiviral & Antimicrobial Toothbrush Covers

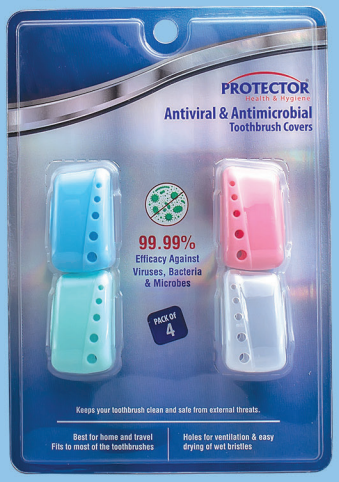
Toothbrush covers are meant to protect the toothbrushes from dust, microbes and insects present in the washroom environment. Toothbrush, as a vital tool for oral hygiene, mostly kept in cover to protect it from external contaminations. Toothbruses are usually kept in washrooms and are wet when placed in the covers. This wet condition accelerates the microbial and fungul growth on the toothbrush covers. Therefore, toothbrush cover may be a significant source of various microbial infections.

Health & Hygiene Ltd has developed Antiviral & Antimicrobial Toothbrush Cover. It protects the toothbrushes from viral, bacterial and fungul contaminations and keeps the toothbrush clean, safe & hygienic.





It has been extensively tested and proven to be 99.99% effective against viruses, bacteria and microbes in accordance with ISO 21702, ISO 22196 & ASTM E 2180. It complies to US 21 CFR FDA and EU regulation No. 10/2011.



- Holes for ventilation & Easy drying of wet bristles.
- Keeps toothbrush clean and safe from external threats.
- Best for home, travel & office
- Fits to most of the toothbrushes

Product Code: HCA12
Colors: Pink, Blue, Green, White
Packaging: 4 covers in a pack

Protector® Antiviral & Antibacterial Toothbrushes & Covers













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