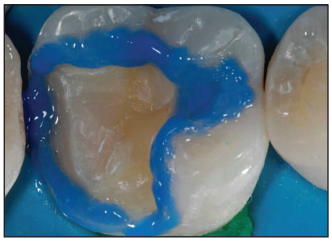
SELECT HV® ETCH

35% Phosphoric Acid Etchant with Benzalkonium Chloride

SELECT HV ETCH is a superior 35% high viscosity phosphoric etch available with Benzalkonium Chloride (BAC). SELECT HV ETCH is used to condition the tooth structure before bonding adhesives, composites, or sealants. SELECT HV ETCH is specially formulated for maximum working and handling, pin-point placement performance, and eliminating run-on onto the dentin surface.

- High viscosity, ideal for enamel etching
- Thixotropic
- Blue in color for easy visualization and contrast
- Washes off easily without leaving residue
- Bulk syringe dispensing
- Contains BAC, an antimicrobial agent

SELECT HV ETCH delivers a smooth, non-stringy material which can be used in everyday restorative procedures but also performs well when etching enamel margins without etching dentin, otherwise known as the "hybrid technique". This is desirable when etching enamel when applying a self-etch adhesive, or for the immediate dentin sealing procedure. Etching uncut enamel with SELECT HV ETCH significantly improves the quality of the etch pattern and bonding surface.



SELECT HV ETCH w/BAC depicting pin point placement on enamel.

Dentistry courtesy of
Dr. Michael Morgan

INDICATIONS FOR USE:

1. Etching dentin and enamel
   - Time: 15 seconds
2. Selective enamel etching
   - Time: 15 seconds
3. Cleaning agent on dental restorative materials
   - Time: 30 seconds

BISCO products are proudly made in the U.S.A.

TO ORDER CALL: 800-247-3368 • 847-534-6000

Rx Only

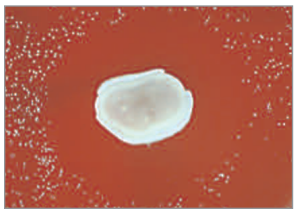
MC-3157SE

BISCO

www.bisco.com

SELECT HV® ETCH

35% Phosphoric Acid Etchant with Benzalkonium Chloride



BAC Etchants exhibited maximum effect against *Actinomyces viscosus* with the zone of inhibition greater than 7mm even after rinsing off.[4]

In-Vitro Research on Etchants with the Antibacterial agent Benzalkonium Chloride (BAC)

Eliminating bacteria from the prepared cavity is one of the most important procedures used during restorative treatments; however the procedures used when treating caries do not always eliminate all of the microorganisms in residual tissues.[1] *Streptococcus mutans* is one of the major pathogens for dental decay. BISCO phosphoric acid with BAC has been shown to create the highest zone of inhibition when compared to Consepsis (2% CHX), Klorhex (.2% CHX), NaOCl 3%, and H2O2.[2] In another study comparing the antimicrobial activities of etchant gels with and without BAC the BISCO phosphoric acid with BAC resulted in significantly less bacterial recovery than phosphoric acid alone. The phosphoric acid without any antibacterial component was not able to inactivate this bacterium.[3]

NOTE: Inclusion of BAC has not been shown to correlate with a reduction in secondary decay in patients. In-vivo clinical studies to evaluate the effects of BAC on oral bacteria or caries have not been performed.

ORDERING INFORMATION

KIT CONTENTS

SELECT HV ETCH W/BAC 1 Syringe SELECT HV ETCH w/BAC (30ml), 30 Disposable Syringes, 30 Disposable Tips, Instructions/MSDS	**E-59200K**

REFILLS

SELECT HV ETCH W/BAC	
1 Bulk Syringe (30ml), Instructions/MSDS	**E-59160P**
4 Syringes (5g ea.), 50 Disposable Syringe Tips, Instructions/MSDS	**E-59110P**
EMPTY SYRINGE ACCESSORY PACK 30 Disposable Syringes, 30 Disposable Syringe Tips, Instructions/MSDS	**X-80580P**
50 Dark Blue Disposable Syringe Tips (22 Gauge)	**X-80608N**

1. Boston DW, Graver HT. Histobacteriological analysis of acid red-dye stainable dentin found beneath intact amalgam restorations. Oper Dent 1994; 19:65-69
2. M.Sc.Dt. Emre ÖZEL, Dr. Haktan YURDAGÜVEN, Yrd.Doç.Dr. Esra CAN SAY, Prof.Dr. Sesin KOCAGÖZ, Evaluation of the Antibacterial Activity of Disinfectant Solutions with Phosphoric Acids Against Streptococcus Mutans. Journal of Hacettepe Faculty of Dentistry, Volume: 29, Issue 4, Page: 8-14, 2005
3. M. TURKUN1, Z. ERGUCU, L.S. TURKUN, E.U. CELIK, and M. ATES, Is Phosphoric Acid Sufficiently Antibacterial?,J Dent Res 85 (Spec Iss B):abstract number 1605, 2006 (www.dentalresearch.org).
4. Data provided by: Chan, University of Texas Health Science Center at San Antonio Dental School