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## Infection Control: CR Tested Products—Quick List 2013

The OSHA Blood Borne Pathogen Standard (*OSHA*) became U.S. Law in March 1992. Since then, attention to infection control (*IC*) practices in the dental office has increased. In December 2003, the U.S. Department of Health and Human Services Centers for Disease Control and Prevention (*CDC*) released "Guidelines for Infection Control in the Dental Health-Care Settings – 2003." Although these latest guidelines are not law, they became "standard of care." *Product recommendations are not part of either of these IC standards.* 

This report provides a summary list of outstanding products for IC in twelve areas that are deemed critical to dentistry by Clinicians Report *(CR)*. Key CR criteria for product efficacy and CDC guidelines are given in each area. Products listed as meeting CR's criteria were identified through extensive laboratory and clinical-use testing performed on hundreds of products. All costs are retail list prices at time of compilation and are subject to change. For a more exhaustive listing of excellent IC products tested by CR go to www.CliniciansReport.org and under complimentary information, click on "Infection Control."

| <b>NR/WATER SYRINGE TIPS</b> —Excellent sterilize   | able tips are available from dental unit  | manufacturers. Excellent disposable   | le options are listed below.                  |
|---|---|---|---|
| Flashtips<br>(Disposable)   | 22¢/Tip<br>Adapter free with tip purchase   | Sultan Healthcare<br>800-637-8582<br>www.sultanhc.com   | Purchase Source:<br>Major Distributors        |
| Seal-Tight<br>(Disposable)  | 20¢/Tip<br>Adapter free with tip purchase   | <b>Total Care</b><br>800-841-1428<br>www.totalcareprotects.com  | <b>Purchase Source:</b><br>Major Distributors |
| DRAL EVACUATION TIPS—Disposable saliva  | njector tips and high velocity suction  | tips are readily available at major di  | stributors                                    |
| DENTAL UNIT WATERLINES (CDC Gu  | idelines, but not part of OSHA)   |   |   |
| CR Criteria: Lower organism counts in wat<br>and CDC '03, require minimal staff inte<br>CDC: For routine dental procedures, use w<br>sterile solutions (e.g., sterile saline or s | rvention, and does not damage denta<br>ater with <500 colony forming units (  | al equipment. Use sterile water for so<br>ofu) per ml of heterotropic water bac   | urgical procedures.                           |
| CONTROL OF MUNICIPAL WATER COUNTS   |   |   |   |
| Sterisil System<br>(Continuous treatment for 7–15 ops with<br>deionization and silver ions)   | \$5,499 / Direct Feed<br>\$4,790 / Bottle fill with filters   | <b>Sterisil</b><br>877-755-7873<br>www.sterisil.com   | Purchase Source:<br>Major Distributors        |
| VistaClear 1000-28-HP<br>(Continuous treatment for 1–7 ops by filtration<br>and oxidation/reduction process)  | \$5,995/System  | <b>Vista Research</b><br>866-559-2837<br>www.vistaclear.com   | Purchase Source:<br>Major Distributors        |
| CONTROL OF INDEPENDENT WATER BOTT   | E COUNTS  |   |   |
| Sterisil Straw<br>(Continuous treatment with silver ions.)  | \$149.99/Year   | Sterisil<br>877-755-7873<br>www.sterisil.com  | Purchase Source:<br>Major Distributors        |
| DISINFECTANT FOR PERIODIC TREATMENT   | TO ELIMINATE RESISTANT ORGA   | NISMS   |   |
| Sterilex Ultra Powder<br>(1 pack in 8 oz water)<br>(0.5% sodium percarbonate)   | \$3.40/Packet   | Sterilex Corp<br>800-511-1659<br>www.sterilex.com   | Purchase Source:<br>Major Distributors        |
| ENVIRONMENTAL SURFACE DISINI  | <b>FECTION</b> (CDC expands beyond  | OSHA)   |   |
| label claims) to intermediate<br>• Use surface barriers to protect clin   | Iman whole blood). <b>Clinical Tip:</b> Surfa<br>aces before disinfection can spread c<br>ad disinfecting solutions daily or as ins<br>iminated fluids and decontaminate su | aces should be disinfected first and<br>ontamination to a larger area and in<br>structed by manufacturers<br>rface with EPA-registered hospital d<br>re that are difficult to clean | then disinfected a second time to             |
| SURFACE DISINFECTANTS—See results for 52  | 2 disinfectants tested at www.Clinicians  | Report.org, click Infection Control an  | d open EnvironSurfaceDisinfectants.pd         |
| Lysol Brand III IC Disinfectant Spray<br>(58% w/w ethyl alcohol)  | \$12.95/19 oz can<br>2¢/ml  | Reckitt Benckiser<br>800-333-3899<br>www.reckittbenckiser.com   | Purchase Source:<br>Major Distributors        |
|   |   | www.reckittbelickisel.com   |   |

CDC: Although addressed, CDC does not provide any recommendations regarding their use.

| Gum Chlorhexidine Gluconate Oral Rinse   | Page 2  |  | January/February 2013   |
|--|---|--|---|
| (0.12% CHG, alcohol-free)  | 62¢/oz  | Sunstar Americas<br>800-528-8537<br>www.gumbrand.com   | <b>Purchase Source:</b><br>Major Distributors   |
| PerioGard<br>(0.12% CHG)   | 50¢/oz  | <b>Colgate Oral Pharmaceuticals</b><br>800-225-3756<br>www.colgateprofessional.com   | Purchase Source:<br>Major Distributors  |
| ProDenRx Chlorhexidine Oral Rinse<br>(0.12% CHG)   | 37¢/oz  | Zila Pharmaceuticals<br>800-228-5595<br>www.zila.com   | <b>Purchase Source:</b><br>Zila Pharmaceuticals   |
| EYE PROTECTION   |   |  |   |
| <b>CR Criteria:</b> Should have side shields, tolerate a <b>CDC:</b> Wear either eye protection with solid side patients; if visibly soiled, clean and disinfed  | shields or a face shield to protect   |  | reusable eye protection between   |
| EYE GLASSES FOR OPERATOR   |   |  |   |
| <b>Googles Professional Eye</b><br>(Disposable glasses)<br>(1 frame, 25 lenses, and 1 neck strap)  | \$27.99/Kit   | <b>Total Care</b><br>800-841-1428<br>www.totalcareprotects.com   | Purchase Source:<br>Major Distributors  |
| SHIELD FOR OPERATOR  |   |  |   |
| Schein (Face Shield)<br>(Disposable Shield)  | \$2.87 Each<br>(24/box)   | Henry Schein<br>800-372-4346<br>www.henryscheindental.com  | Purchase Source:<br>Henry Schein  |
| EYE PROTECTION FOR PATIENT   |   |  |   |
| P.A.L. (Protect-a-lens)  | 58¢ Each  | Allpro<br>800-243-2285<br>www.allprodental.com   | Purchase Source:<br>Allpro  |
| Rollens<br>(clear and smoke)   | 47¢ Each (with adhesive)<br>40¢ Each (without adhesive)   | Rollens<br>800-898-7474<br>www.rollens.com   | Purchase Source:<br>Rollens   |
| HELPFUL ACCESSORIES  |   |  |   |
| KIMTECH Science Lens Cleaning Station  | \$24.49/Kit   | Henry Schein<br>800-372-4346<br>www.henryscheindental.com  | Purchase Source:<br>Henry Schein  |
| FACE MASKS (CDC expands beyond OSHA)<br>CR Criteria: To maximize protection from aerosols<br>particles), NOT contact nose or lips, comfor<br>(routine exams). Change mask every 20 min   | table, and economical. Clinical Tip   | Change mask every 60 minutes when w  | orking in a dry clinical environment  |
| CR Criteria: To maximize protection from aerosols<br>particles), NOT contact nose or lips, comfor<br>(routine exams). Change mask every 20 min<br>CDC: Change masks between patients and duri<br>SOFT PLEATED MASK   | table, and economical. <b>Clinical Tip</b><br>utes when working with water coole<br>ing treatment when possible if mas  | Change mask every 60 minutes when w<br>ad instruments (ultrasonic scalers and wa<br>k becomes wet.   | orking in a dry clinical environment<br>ter cooled handpieces).   |
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|--|--|---|---|
| Posi-Prene<br>(Polychloroprene)  | 8¢/Glove   | Clinical Supply Co<br>800-468-0188<br>www.clinicalsupplycompany.com   | <b>Purchase Source:</b><br>Clinical Supply Co and<br>Major Distributors |
| UTILITY GLOVES (REUSABLE)  |  |   |   |
| IMS Lilac Gloves<br>(Nitrile)  | \$3.26/Glove   | <b>Hu-Friedy</b><br>800-483-7433<br>www.hu-friedy.com   | Purchase Source:<br>Major Distributors                                  |
| HANDCARE (CDC expands beyond OSH   | A)   |   |   |
|  | against bacteria. High ethyl alcol<br>after every patient.   | tivity, plus residual and cumulative activity. 4%<br>hol concentration hand rubs can be effective a<br>er removal of gloves.  |   |
| 4% CHLORHEXIDINE FORMULATIONS  |  |   |   |
| Hibiclens<br>(4% CHG)  | \$66.45/Gallon<br>(52¢/oz)   | Mölnlycke Health Care<br>800-843-8497<br>www.molnlycke  | <b>Purchase Source:</b><br>Major Distributors                           |
| HAND RUBS—CR tests show sufficient materia   | al must be dispensed to keep ha  | ands wet for 30 seconds of vigorous hand rub  | bing.   |
| Endure 300<br>(Gel)  | 79¢/oz   | Ecolab<br>866-781-8787<br>www.ecolab.com  | Purchase Source:<br>Ecolab and<br>Major Distributors                    |
| Purell<br>(Gel)  | 79¢/oz   | <b>GoJo</b><br>800-321-9647<br>www.gojo.com   | <b>Purchase Source:</b><br>Major Distributors                           |
| INSTRUMENT DISINFECTION  |  |   |   |
| use of fast acting, broad spectrum kill<br>CDC: Cleaning involves the physical removince<br>increase the efficiency of the cleaning<br>INSTRUMENT WASHER: DISINFECTORS & A | instrument soak to disinfect prior<br>val of debris and reduces the nu<br>process and reduce the handli<br>ACCESSORIES—Instrument wa<br>taminated instruments; 2) elimin | с ,   | device. Automated cleaners  |
| Dental Washer Disinfector G7881  | \$9,450/Washer   | Miele   | Purchase Source:  |
| (under the counter)  | \$7,4307 washer  | 800-991-9380<br>www.mieleusa.com  | Major Distributors  |
| Hydrim L110W<br>(under the counter)  | \$9,270 / Washer   | <b>SciCan</b><br>800-572-1211<br>www.scican.com   | Purchase Source:<br>Major Distributors                                  |
| Mesh Trays<br>(#E146)  | \$354/Tray   | <b>Miele</b><br>800-991-9380<br>www.mieleusa.com  | <b>Purchase Source:</b><br>Major Distributors                           |
| Mark VI<br>(cassette-16 instruments)   | \$148.99/Cassette  | Premier Dental Products<br>888-773-6872<br>www.premusa.com  | Purchase Source:<br>Major Distributors                                  |
| 3%+ GLUTERALDEHYDE INSTRUMENT SO/<br>non-enveloped virus (poliovirus) in the   |  |   | a (tuberculosis) and a resistant  |
| Cidex Plus 3.4   | 31¢/oz   | Advance Sterilization Products (<br>800-595-0200<br>www.aspjj.com   | ASP) Purchase Source:<br>Major Distributors                             |
| <b>NEEDLESTICK PREVENTION (OSHA</b>  | added requirements in June   | 2001)   |   |
| confidentiality of the injured<br>injury occurred, and c) expl<br>2. Add to the office exposure control  | employee. This log must contai<br>anation of how injury occurred.  | nminated sharps must be recorded and mainta<br>in the following: a) type and brand of instrume<br>fice plans to use to prevent needlestick injurie<br>requirements. | nt involved, b) work area where   |
| Jenker Needle Recapper   | \$58.69 Each   | Dentsply Professional<br>800-989-8826<br>www.dentsply.com   | Purchase Source:<br>Major Distributors                                  |
| STERILIZATION  |  |   |   |
| CR Criteria: Provide sterilization of instrum<br>CDC: Heat sterilize intraoral devices that ca   | •  | erlines.  |   |
| CHEMICAL VAPOR HEAT STERILIZERS—Ha   |  |   | e for purchase.   |
| DRY HEAT STERILIZERS   | ,  |   |   |
| DDS 7000*<br>(Rapid dry heat)  | \$4,087 / Sterilizer   | <b>Dentronix</b><br>800-523-5944<br>www.dentronix.com   | <b>Purchase Source:</b><br>Dentronix and<br>Major Distributors          |
| STEAM HEAT STERILIZERS   |  | www.dentronix.com   | Major Distributors  |
| StatIM G4 (2000, 5000)*  | \$6,755/StatiM 2000<br>\$6,865/StatiM 5000   | SciCan<br>800-572-1211  | Purchase Source:<br>Major Distributors                                  |
| *FDA cleared for handpiece sterilization   |  | www.scican.com  |   |

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|--|---|---|--|
| STERILIZER MONITORING (CDC expands   | beyond OSHA)  |   |  |
| <ul> <li>CR Criteria: Chemical indicators (temperature s<br/>threshold but do not assure steri</li> <li>Biological Monitors verify sterilization us<br/>be incubated in-office or sent to</li> <li>CDC: Use chemical indicators (temperature s<br/>of the package.</li> <li>Use mechanical monitors (timer, tempe</li> </ul> | lity<br>sing 1 million spores of appropriate g<br>a monitoring service.<br>rensitive ink) within each package. If r   | enus and species. Test strips a<br>not visible from the outside, pla  | are processed at least weekly and may  |
| <ul> <li>Use biological monitors (spore strips) a</li> <li>Do not use instruments if monitoring responses</li> </ul>   | t least weekly to ensure the effectiver   |   | s. Record results.   |
| SEND-AWAY BIOLOGICAL MONITOR SERVICE   |   |   |  |
| Maxitest Mail-in-Sterilizer Monitoring Service<br>(order #101-4715) 52 tests<br>Includes 2 monitors (the test and control),<br>postage paid envelope, and results returned by mail   | \$3.85/Test   | Henry Schein<br>800-372-4346<br>www.henryschein.com   | Purchase Source:<br>Henry Schein   |
| IN-OFFICE BIOLOGICAL INDICATORS FOR 3 TY   | PES OF STERILIZERS  |   |  |
| Attest 116K Kit<br>(Steam Heat)  | \$9.23/Indicator<br>\$508.20/System (incubator, indicators)   | <b>3M ESPE</b><br>800-634-2249<br>www.3mespe.com  | Purchase Source:<br>Major Distributors   |
| <b>SporView Culturing Set</b><br>(Dry and rapid heat oven)   | \$3.25/Indicator<br>\$165 Dry heat incubator<br>\$275/Starter kit   | SPS Medical<br>800-722-1529<br>www.spsmedical.com   | Purchase Source:<br>Major Distributors   |
| Steritest<br>(Ethylene oxide)  | \$5.95 / Indicator<br>\$760/Incubator AN810   | Andersen Products<br>800-523-1276<br>www.anpro.com  | Purchase Source:<br>Andersen Products  |
| POUCH WITH CHEMICAL INDICATORS   |   |   |  |
| Assure Plus  | 8¢–51¢ Each<br>(depending on size)  | Sultan Healthcare<br>800-637-8582<br>www.sultanhc.com   | Purchase Source:<br>Major Distributors   |
| Peelvue Plus   | 10¢–60¢ Each<br>(depending on size)   | Dux Dental<br>800-833-8267<br>www.duxdental.com   | Purchase Source:<br>Major Distributors   |
| Sure-Check   | 6¢–54¢ Each<br>(depending on size)  | Crosstex<br>800-707-2737<br>www.crosstex.com  | Purchase Source:<br>Major Distributors   |
| REUSABLE POUCH—Require purchase of chemica   | al indicators for inside and exterior of  | pouch   |  |
| Enviropouch  | 6¢–11¢/Use<br>expect 200+ uses per pouch<br>\$12–\$22 Each (depending on size)  | Enviropouch<br>877-632-1991<br>www.enviropouch.com  | Purchase Source:<br>Enviropouch  |
| VACCINES (CDC expands beyond OSHA)   |   |   |  |
| <ul> <li>CDC: • HBV – Immunizations based on current</li> <li>1 to 2 months after first set of 3-dose set complete a second 3-dose serie (HBsGg-positive).</li> <li>• Repeat serological test for antibodies a</li> <li>• Counsel non-responders to the vaccine non-responders.</li> </ul>                                   | B (HBV) Vaccination required by OSI<br>recommendations, employee's media<br>eries, perform seroconversion test to a<br>s preferably with a HBV vaccine from<br>fter second 3 dose series. | HA, employer to provide.<br>cal history, and occupational e.<br>confirm absence or presence o<br>a different manufacturer or del<br>on. Additional information is ava | xposure risk.<br>of antibody against HBV. If negative,<br>termine if person is a carrier of HBV<br>ailable at wp.hepb.org; then search |
| CDC'S RECOMMENDED IMMUNIZATIONS FOR H  |   |   |  |
| Hepatitis B (3 inoculations)<br>Engerix-B, Recombivax HB   | Give 3-dose series, confirm seroconversion, no booster  |   | Source:<br>Local Health Department   |
| Influenza<br>Trivalent (Inactivated) Vaccine - TIV<br>Live, Attenuated Vaccine - LAIV  | Give 1-dose intramuscularly Fall each year OR<br>Give 1-dose intranasally Fall of each year if non-pregnant, healthy,<br>and age 49 or younger  |   | <b>Source:</b><br>Local Health Department  |
| Tetanus-Diphtheria-Pertussis   | Give 1-dose Tetanus - Diphtheria booster every 10 years<br>Give 1-time dose of Tdap to all younger than 65 years  |   | <b>Source:</b><br>Local Health Department  |
| If childhood infection not confirmed:  |   |   |  |
| Varicella (Chickenpox)<br>Measles-Mumps-Rubella (MMR)  | 2 doses 4 weeks apart - no booster<br>2 doses at least 1 month apart - no booster<br>Born before 1957: considered immune, but<br>recommend 2 doses MMR during mumps outbreak              |   | <b>Source:</b><br>Local Health Department  |

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