

Office of Origin: Department of Hospital Epidemiology and Infection Prevention (HEIP)

I. PURPOSE

To provide list the indications and products approved for skin antiseptics, cleaning, low-level disinfection at UCSF Medical Center.

II. REFERENCES

1. Guideline for Disinfection and Sterilization in Healthcare Facilities, 2008. Rutala W, Weber. D. CDC Hospital Infection Prevention Practices Advisory Committee, May 2019
<https://www.cdc.gov/infectioncontrol/pdf/guidelines/disinfection-guidelines-H.pdf>
2. APIC Text of Infection Prevention and Epidemiology. 3rd Edition. Washington, DC: APIC: 2009
3. UCSF Medical Center Environment of Care Manual [Patient Care Equipment Cleaning In-Patient, Ambulatory, and Diagnostic Testing Areas](#)
4. UCSF Medical Center HEIP [Hand Hygiene Policy](#)
5. UCSF Medical Center Perioperative Services Procedure Manual [Skin Antisepsis](#)
6. UCSF Medical Center Sterile Processing Department Procedure Manual [Decontamination Policy](#)
7. UCSF Medical Center Sterile Processing Department Procedure Manual [Instrument Care and Handling](#)
8. UCSF Medical Center Perioperative Services Sterile Processing Department Policy [Management of Sterile and High-Level Disinfected Instruments, Scopes, and Probes](#)
9. UCSF Medical Center Nursing Procedures Manual [CVC Care and Maintenance \(Adults\)](#)
10. UCSF Medical Center Nursing Procedures Manual [CVC Care and Maintenance \(Pediatric/Neonatal\)](#)
11. UCSF Medical Center Nursing Procedures Manual Indwelling Urinary Catheter: [Insertion, Maintenance, Care and Removal \(Adults\)](#)
12. UCSF Medical Center Nursing Procedures Manual [Indwelling Transurethral Catheter: Insertion, Maintenance, Care and Removal \(Neonatal/ Pediatric\)](#)
13. UCSF Medical Center [Hospitality Services Procedure Manual](#)

III. DEFINITIONS

Antiseptic agent: Antimicrobial products that are applied to the skin to reduce the microbial flora. Examples include isopropyl alcohol, povidone-iodine, and chlorhexidine gluconate (CHG).

Cleaning is the removal of visible soil (e.g., organic and inorganic material) from objects and surfaces and normally is accomplished manually or mechanically using water with detergents or enzymatic products.

Disinfection describes a process that eliminates many or all pathogenic microorganisms, except bacterial spores, on inanimate objects. Disinfection is not sporicidal.

IV. POLICY

Agents for antiseptics, cleaning, and disinfection will be reviewed by the Department of Hospital Epidemiology and Infection Prevention for appropriateness and may be used at the Medical Center after approval by the Infection Prevention Committee. For agents used in Pharmacy and Cellular Therapy Laboratories, refer to the department specific policies.

A. Agents available for antiseptics (skin preparation):

Indication	Product
<i>Non-mucosal surfaces</i>	<ul style="list-style-type: none"> • Tincture of iodine • Povidone-iodine scrub and paint • Chlorhexidine and alcohol (Chloraprep®)
<i>Mucosal surfaces</i>	<ul style="list-style-type: none"> • Povidone-iodine scrub and paint. • Diluted baby shampoo with sterile water for patients with iodine allergy
<i>Urinary catheter insertion</i>	<ul style="list-style-type: none"> • Povidone-iodine scrub and paint • Diluted baby shampoo with sterile water for patients with iodine allergy
<i>Routine urinary catheter care</i>	<ul style="list-style-type: none"> • CHG wipes • Soap and water for patients with contraindications for use of CHG wipes
<i>Vascular catheter insertion</i>	<ul style="list-style-type: none"> • Chlorhexidine and alcohol (Chloraprep®, Prevantics®) • Povidone-iodine solution
<i>Vascular catheter site care</i>	<ul style="list-style-type: none"> • Chlorhexidine • Povidone-iodine • Alcohol
<i>Hand Hygiene</i>	<ul style="list-style-type: none"> • Antimicrobial soap (Ecolab Equi-Soft®). • Alcohol-based hand rub (Ecolab Quik-Care Foam®)
<i>Dialysis catheter site</i>	<ul style="list-style-type: none"> • Chlorhexidine and alcohol (Chloraprep®, Prevantics®) • Povidone-iodine and alcohol

B. Agents available for disinfection:

Indication	Product
<i>Enzyme – Detergents</i>	<ul style="list-style-type: none"> • Endozime® sponge (pre-cleaning of non-channeled endoscopes) • First-Step® (pre-cleaning of flexible endoscopes) • Pre-Klenz® (pre-cleaning instrument spray) • OptiPro® (pre-cleaning instrument spray) • Prolystica® (instrument cleaning) • Renuzyme® Plus (Endoscopy cleaning use) • Tergal® 800 (Endoscopy use only: Custom Ultrasonics equipment)
<i>Low Level Disinfection</i>	<ul style="list-style-type: none"> • Cavicide™ – Approved only for equipment that can be damaged by other hospital-approved disinfectants (as recommended by the manufacturer) • Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant: routine surface cleaning • Clorox Healthcare® Bleach Germicidal Wipe: point of care testing devices • Ecolab Oxycide (peracetic acid and hydrogen peroxide) • PDI Sani-Cloth® AF3: routine surface cleaning • PDI SaniCloth® HB: diagnostic ultrasound equipment only (as recommended by the manufacturer). • PDI Sani-Cloth® Plus: Materiel Services only (ML and MZ) • PDI Sani-Wipe® Professional: unit-based pantries, formula and breast milk preparation areas.
<i>High level Disinfection</i>	<ul style="list-style-type: none"> • Cidex OPA • Peracetic acid • H₂O₂ vapor (Halo®)—HICU and campus only; managed by OEH&S • Sonex® XL (Tropon disinfectant)

V. HISTORY OF POLICY

Revised 9/89, 8/91, 8/92, 12/94, 4/01, 4/02, 3/04, 1/05, 9/13, 2/16, 7/22

Reviewed by:

Nicole McNeil	Hospital Epidemiology and Infection Prevention
Edwin Amaya	Hospitality Services
Christel Henderson	Hospitality Services
Amanda Wu	Hospitality Services
Erika Grace	Perioperative Services
Sandra Wienholz	Perioperative Services
Jeanette Bird	Perioperative Services
Rebecca Alvino	Sterile Processing Department
Ann-Marie Cabonce	Ambulatory Services
Matt Carlson	Safety Officer
Ramana Sastry	Clinical Engineering
Jake Limbert	Material Services
Alberto Garcia	Nursing, Adults

This guideline is intended for use by UCSF Medical Center staff and personnel and no representations or warranties are made for outside use. Not for outside production or publication without permission. Direct inquiries to the Office of Origin or Medical Center Administration at (415) 353-2733.