

## Cleaning your Hillrom™ Equipment to Help Prevent the Spread of COVID-19

As hospitals worldwide continue to address the unfolding situation around COVID-19, Hillrom has a responsibility to help support our customers in their efforts. Part of that support is informing hospitals of the cleaning and disinfectant products that are safe and efficacious to use on Hillrom equipment. Please refer to the appropriate Hillrom Product User Manual document for details on cleaning and disinfecting procedures for your site's respective products.

Many cleaners that are listed as compatible with Hillrom products are also effective against the human coronavirus when used as instructed by the cleaner's manufacturer. As an example, the US Environmental Protection Agency (EPA) strongly recommends following the product label use directions for enveloped viruses. Here is a link to the EPA's registered antimicrobial products for use against novel coronavirus SARS-CoV-2, the cause of the COVID-19:

[https://www.epa.gov/sites/production/files/2020-03/documents/sars-cov-2-list\\_03-03-2020.pdf](https://www.epa.gov/sites/production/files/2020-03/documents/sars-cov-2-list_03-03-2020.pdf)

Included in this letter are tables listing common cleaners and disinfectants that are compatible for use on Hillrom beds, surfaces and lifts. Chemical compatibility testing evaluates the impact of chemicals to product durability and does not include cleaning or disinfection efficacy testing. Please note: if a chemical is absent from the tables, it means that we have **not** assessed the impact of the chemical on our products.

For additional cleaning recommendations watch Hillrom's Effective Cleaning and Disinfecting Technique video:

<http://link.videoplatform.limelight.com/media/?mediaId=eba553af40ff46ea9feb30f724ec17d9&width=1024&height=576&playerForm=Player&embedMode=html&htmlPlayerFilename=limelightjs-player.js>

For more information on cleaning and disinfecting beds, surfaces and lifts please contact your local Hillrom sales and service representatives.

### **Cleaning/Disinfectant Protocol for Hillrom's Welch Allyn Equipment**

Hillrom recommends cleaning and disinfecting Welch Allyn® equipment on a routine basis according to your facilities protocols and standards or local regulations. Refer to Welch Allyn product specific Direction for Use/User Manual document under the Maintenance and Service section for detailed cleaning and disinfecting procedures. To view or obtain a copy of the Direction for Use /User Manual document visit [www.hillrom.com](http://www.hillrom.com) (review the documents associated with your Welch Allyn equipment) or please contact your local Hillrom sales and service representative.

**Cleaners/Disinfectants Compatible with Beds and Surfaces:**

<b>Table 1: List of Cleaners/Disinfectants for Routine Use</b>			
<b>Cleaner/Disinfectant</b>	<b>Chemical Class</b>	<b>Recommended for Disinfection against Clostridium Difficile (C. diff)*</b>	<b>Active Ingredient(s)</b>
Oxycide™ Daily Disinfectant Cleaner	Hydrogen peroxide	Yes	Hydrogen peroxide 27.5% Peroxyacetic acide 5.8%
Virex® II 256 One-Step Disinfectant Cleaner and Deoderant	Quaternary ammonium chloride	No	Didecyl dimethyl ammonium chloride = 8.704% Alkyl dimethyl benzyl ammonium chloride = 8.19%
Virex Tb Ready-to-Use Disinfectant Cleaner	Quaternary ammonium chloride	No	Diethylene glycol butyl ether 5-10% n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride 0.01 – 1.5% n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium Chloride 0.01 – 1.5%
3M™ HB Quat 25L Disinfectant Cleaner	Quaternary ammonium chloride	No	Alkyl dimethyl benzyl ammonium chloride = 13.238% Alkyl dimethyl ethylbenzyl ammonium chloride = 13.238%
Wex-Cide™	Phenolic	No	Ortho-Phenylphenol = 0.026% Ortho-Benzyl-para-Chlorophenol = 0.023%
Viraguard® Disinfectant Solution	Alcohol	No	Isopropyl alcohol = 70%
CSI Disinfectant Cleaner	Quaternary ammonium	No	n-Alkyl dimethyl benzyl ammonium chlorides = 0.105% n-Alkyl dimethyl ethylbenzyl ammonium chlorides = 0.105%
*Recommendation per Cleaner/Disinfectant Manufacturer's Instructions			

**Cleaners/Disinfectants Compatible with Beds and Surfaces:**

Table 2: List of Cleaners/Disinfectants for Occasional Use Only			
Cleaner/Disinfectant	Chemical Class	Recommended for Disinfection against Clostridium Difficile (C. diff)*	Active Ingredient(s)
Clorox Healthcare® Bleach Germicidal Cleaner	Bleach	Yes	Sodium hypochlorite 0.65% (6500 ppm) (1:10 dilution of bleach)
Clorox Healthcare® Bleach Germicidal Wipes	Bleach	Yes	Sodium hypochlorite 0.55% (5500 ppm) (1:10 dilution of bleach)
*Recommendation per Cleaner/Disinfectant Manufacturer's Instructions			

Note: If bleach is used with another cleaner/disinfectant, use a new microfiber cloth soaked in tap water to **remove any disinfectant residue prior to and after the bleach** application.

## Cleaners/Disinfectants Compatible with Liko® Lifts:

Table 3: Application of Commonly Used Cleaners / Disinfectants on Liko Products					
Chemical class	Active ingredient	pH	Cleaners / Disinfectant *)	Manufacturer *)	May not be used on the following items:
Quaternary ammonium chloride	Didecyl dimethyl ammonium chloride = 8.704% Alkyl dimethyl benzyl ammonium chloride = 8.19%	9.0 – 10.0 in use	Virex II (256)	Johnson/Diversey	Foot rest for Sabina™ and Roll-On™
Quaternary ammonium chloride	Alkyl dimethyl benzyl ammonium chloride = 13.238% Alkyl dimethyl ethylbenzyl ammonium chloride = 13.238%	9.5 in use	HB Quat 25L	3M	
Accelerated Hydrogen Peroxide	Hydrogen Peroxide 0.1 -1.5% BenzylAlcohol: 1-5% Hydrogen Peroxide 0.1 -1.5% BenzylAlcohol: 1-5%	3	Oxivir Tb	Johnson/Diversey	The lift straps for Golvo™ and ceiling lifts
Phenolic	Ortho-Phenylphenol = 3.40% Ortho-Benzyl-para-Chlorophenol = 3.03	3.1 +/- 0.4 in use	Wexcide	Wexford Labs	
Bleach	Sodium hypochlorite	12.2	Dispatch	Caltech	The lift straps for Golvo™ and ceiling lifts
Alcohol	Isopropyl alcohol = 70%	5.0 – 7.0	Viraguard	Veridien	Hand controls for all lifts
Quaternary ammonium	n-Alkyl dimethyl benzyl ammonium chlorides = 0.105% n-Alkyl dimethyl ethylbenzyl ammonium chlorides = 0.105%	11.5 - 12.5	CSI	Central Solutions Inc.	Viking™, Liko M220™, Liko M230™, Uno™, Sabina™, Golvo™, LikoLight™, Roll-On™, Likoral™, Multiral™
Benzyl-C12-18-alkyldimethylammonium, chlorides	Benzyl-C12-18-alkyldimethylammonium, chlorides (22%) 2-Phenoxyethanol (20%) Tridecylpolyethylenglycolether (15%) Propan-2-ol (8%)	approx 8.6 in use	Terralin Protect	Shülke	Foot rest for Sabina™ and Roll-On™
Organic peroxide (type E, solid)	Magnesium monoperoxyphthalate hexahydrate (50-100%) Anionic surfactant (5-10%) Nonionic surfactant (1-5%)	5.3 in use	Dismozon Pur	Bode	The lift straps for Golvo™ and ceiling lifts
Ethanol	Hydrogen peroxyde (2.5-10%) Lauryldimethylamine oxid (0-2.5%) Ethanol (2.5-10%)	7	Anioxy-Spray WS	Anios	Control box for all mobile lifts
Troclosene sodium	Adipic acid 10-30% Amorphous silica < 1% Sodium Toluene sulphonate 5-10% Troclosene sodium 10-30%	4-6 in use	Chlor-Clean	Guest Medical Ltd	The lift straps for Golvo™ and ceiling lifts

\*) or equivalent