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

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 (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:

<table>
<thead>
<tr>
<th>Cleaner/Disinfectant</th>
<th>Chemical Class</th>
<th>Recommended for Disinfection against Clostridium Difficile (C. diff)*</th>
<th>Active Ingredient(s)</th>
</tr>
</thead>
</table>
| Oxycide™ Daily Disinfectant Cleaner   | Hydrogen peroxide            | Yes                                                                   | Hydrogen peroxide 27.5%  
Peroxyacetic acid 5.8%                                                             |
| Virex® II 256 One-Step Disinfectant   | Quaternary ammonium chloride | No                                                                    | Didecyl dimethyl ammonium chloride = 8.704%  
Alkyl dimethyl benzyl ammonium chloride = 8.19%                                      |
| and Deodorant                         |                              |                                                                       |                                                                                   |
| Virex Tb Ready-to-Use Disinfectant    | 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%       |
| Cleaner                               |                              |                                                                       |                                                                                   |
| 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 chloride | 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:

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<tr>
<td>Clorox Healthcare® Bleach Germicidal Cleaner</td>
<td>Bleach</td>
<td>Yes</td>
<td>Sodium hypochlorite 0.65% (6500 ppm) (1:10 dilution of bleach)</td>
</tr>
<tr>
<td>Clorox Healthcare® Bleach Germicidal Wipes</td>
<td>Bleach</td>
<td>Yes</td>
<td>Sodium hypochlorite 0.55% (5500 ppm) (1:10 dilution of bleach)</td>
</tr>
</tbody>
</table>

*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>
<thead>
<tr>
<th>Chemical class</th>
<th>Active ingredient</th>
<th>pH</th>
<th>Cleaners / Disinfectant *)</th>
<th>Manufacturer *)</th>
<th>May not be used on the following items</th>
</tr>
</thead>
</table>
| Quaternary ammonium chloride | Didodecyldimethylammonium chloride = 8.704%  
Alkyl dimethyl benzyl ammonium chloride = 8.19% | 9.0 – 10.0 in use | Virex II (15S) | Johnson/Diversey | Foot rest for Sabina™ and Roll-On™ |
| Quaternary ammonium chloride | Alkyl dimethyl benzyl ammonium chloride = 13.338%  
Alkyl dimethyl ethylbenzyl ammonium chloride = 13.238% | 8.5 in use | HB Quat 25L | 3M |  |
| Accelerated Hydrogen Peroxide | Hydrogen Peroxide 0.1 - 1.5%  
Benzyl/Alcohol: 1 - 5%  
Hydrogen Peroxide 0.1 - 1.5%  
Benzyl/Alcohol: 1 - 5% | 3 | Oxivir Tb | Johnson/Diversey | The lift straps for Golvo™ and ceiling lifts |
| Phenolic | Ortho-Phenylphenol = 3.40%  
Ortho-Benzylpara-Chlorophenol = 3.03 | 3.1 +/- 0.4 in use | Wexcode | Wexford Labs |  |
| Bleach | Sodium hypochlorite | 12.2 | Dispatch | Caltech | The lift straps for Golvo™ and ceiling lifts |
| Alcohol | Isopropyl alcohol = 70% | 7.0 - 7.0 | Viraguard | Varidelian | Hand controls for all lifts |
| Quaternary ammonium | n-Alkyl dimethyl benzyl ammonium chlorides = 0.10%  
n-Alkyl dimethyl ethylbenzyl ammonium chlorides = 0.10% | 11.5 - 12.5 | CSI | Central Solutions Inc. | Viking™, Liko M220™, Liko M230™, Uno™, Sabina™, Golvo™, Likotight™, Roll-On™, Likoral™, Multiral™ |
| Benzyl-C12-18-alkyldimethylammonium, chloroide | Benzyl-C12-18-alkyldimethylammonium, chlorides (32%)  
2-Phenoxethanol (20%)  
Tridecylpolyglyceryl ether (15%)  
Propyl-2-ol (8%) | approx 8.6 in use | Terralin Protect | Shūke | Foot rest for Sabina™ and Roll-On™ |
| Organic peroxide (type E, solid) | Magnesium monoperoxypiphosphate hexahydrate (50-100%)  
Anionic surfactant (5-10%)  
Nonionic surfactant (4-5%) | 5.3 in use | Dismocron Pur | Bode | The lift straps for Golvo™ and ceiling lifts |
| Ethanol | Hydrogen peroxide (2.5-10%)  
Lauryldimethylamine oxido (9-2.5%)  
Ethanol (2.5-10%) | 7 | Aniosy-Spray W5 | Anios | Control box for all mobile lifts |
| Trocosene sodium | Adipic acid 10-30%  
Amorphous silica < 1%  
Sodium Toluene sulfonates 5-10%  
Trocosene sodium 10-30% | 4-6 in use | Chlor-Clean | Guest Medical Ltd | The lift straps for Golvo™ and ceiling lifts |

*) or equivalent