



HP LaserJet Enterprise, HP PageWide Enterprise -Test results when using cleaning or disinfecting wipes on printers

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Overview

The purpose of this document is to communicate the expected results of cleaning the printers with a variety of cleaning wipes. This testing was performed to accommodate disinfecting wipes in environments such as hospitals where reducing the spread of germs is a high priority.

Limitations

The effectiveness of any cleaning wipes in removal of bacteria and other germs is not guaranteed. Most antibacterial wipes are designed to evaporate slower than typical cleaning wipes, which in theory gives the chemicals on the wipes longer time to kill germs. As the wipes leave behind a visible residue, many users will be compelled to use a dry rag to remove the residue which might interfere with the disinfecting.

Please check with the wipe vendor on the best practices.

Expected Results

The use of any of the wipes tested (see **Figure 1**) will not functionally harm the printer control panels or keyboards. However, some cosmetic damage or staining of keyboards may result.

- The Cavi Wipes did not produce any mechanical scratching/scoring on the screens and keyboards.
- The Sani-HB wipes had the hardest to remove residue and
- The Super Sani-wipes produced the deepest gouging scratches on the screens.

In some cases, the spotting residues/smears may become somewhat objectionable or stain, but rigorous wiping with a PDI screen cleaner will remove most of unsightly stains.

NOTE: The residue/stain is often the active ingredient, and if cleaning with the PDI screen cleaner in time may lessen the efficacy of the biocide.

Figure 1: Cleaning wipes tested

Clorox Healthcare® Bleach Germicidal Wipes o Sodium hypochlorite 0.1%–1.0%
Sani-Cloth® HB o Benzyl-C12-18-alkyldimethyl ammonium chlorides: <0.1% o Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides: <0.1%
Sani-Cloth® Plus Isopropanol: 10-20% o 2-Butoxyethanol: <5% o Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides: <0.5% o Benzyl-C12-18-alkyldimethyl ammonium chlorides: <0.5%
Sani-Cloth® AF3 o Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides: <0.5% o Benzyl-C12-18-alkyldimethyl ammonium chlorides: <0.5%
Super Sani-Cloth® Germicidal Disposable Wipes o Isopropyl alcohol: 55.0% o Alkyl dimethyl benzyl ammonium chlorides: 0.250% o Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride: 0.250%
CaviWipes® o Isopropanol: 10-20% o Ethylene Glycol Monobutyl Ether (2-Butoxyethanol): 1-5% o Diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride: 0.1-0.5%

Supported printers

The tests were conducted on HP LaserJet Enterprise and HP PageWide Enterprise printers, but all HP printer products are expected to have similar results.

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