

# CHEMISTRY COMPARISON OVERVIEW



		Powered by AHP® <b>ACCELERATED</b> HYDROGEN PEROXIDE <small>Patented</small>	BLEACH	3-35% HYDROGEN PEROXIDE	QUAT	70-90% IPA
<b>EFFICACY</b>						
<b>DISINFECTANT</b>	Fungicidal	<b>3-5 Min</b>	10 Min	10 Min	10 Min	5-10 Min
	Bactericidal	<b>3-5 Min</b>	10 Min	10 Min	10 Min	5-10 Min
	Virucidal	<b>3-5 Min</b>	10 Min	10 Min	10 Min	5-10 Min
<b>CLEANING ABILITY</b>						
<b>Excellent</b> ✓		<b>Weak</b> ✗	<b>Weak</b> ✗	Detergents may bind to cleaning materials		<b>Weak</b> ✗
<b>SAFETY (Ready To Use or Diluted Concentrate)</b>						
<b>PPE Not Required</b>		In-use dilution varies by product	*	In-use dilution varies by product		
<b>OCCUPATIONAL HEALTH CONCERNS (Ready To Use or Diluted Concentrate)</b>						
<b>None</b>			*			

SHIELD Disinfectants are brought to you by Virox Technologies Inc.

**Note:** The information in this document pertains to active ingredients in general, and may not capture the characteristics of every formulation. Always refer to the product label and SDS for any product-specific information. \*Safety information for Hydrogen Peroxide relevant for 1-5% solutions.

**References:**

- Acute Antimicrobial Pesticide-Related Illnesses Among Workers in Health Care Facilities – California, Louisiana, Michigan, and Texas, 2002-2007. CDC Morbidity and Mortality Weekly Report. May 14, 2010.
- Fraiese AP, Lambert PA et al. (eds). Russell, Hugo & Ayliffe's Principles and Practice of Disinfection, Preservation and Sterilization, 5th ed. 2013. Ames, IA.
- Quinn PJ, Markey FC et al. (eds). Veterinary Microbiology and Microbial Disease. 2nd ed. 2011. West Sussex, UK: Wiley-Blackwell, pp 851-889.
- Rutala WA, Weber DJ. Healthcare Infection Control Practices Advisory Committee (HICPAC). 2008. Guideline for disinfection and sterilization in healthcare facilities. Available at: [http://www.cdc.gov/hicpac/Disinfection\\_Sterilization/toc.html](http://www.cdc.gov/hicpac/Disinfection_Sterilization/toc.html).
- Wiley-Blackwell; McDonnell GE. Antisepsis, Disinfection, and Sterilization: Types, Action, and Resistance. 2007. ASM Press, Washington DC.

