

CLEANING AND DISINFECTION CHART

For Child Care Settings

Refer to *Proper Cleaning and Disinfection Practices in Child Care Settings* for information on how to clean and disinfect.

See the chart below for examples of disinfectants to use depending on volume of blood/body fluid spill.

When to Clean and Disinfect	Examples of Active Ingredients/ Disinfectant Products	Contact Time (minutes)	Where to Clean and Disinfect
1. Everyday use (non-outbreak) 2. Minor blood/body fluid spill (drops of fluid) Effective against: <i>Vegetative bacteria and enveloped viruses</i> - Staphylococcus aureus (includes MRSA) - Streptococcus - Salmonella - Vancomycin Resistant Enterococcus (VRE) - Human Immunodeficiency Virus (HIV) - Respiratory Syncytial Virus (RSV) - Influenza Virus - Pseudomonas aeruginosa - Herpes	100 ppm bleach solution <i>(Everyday use; non-outbreak)</i>	10	- Door knobs - Handrails - Chairs - Tables - Elevator buttons - Telephones - Counter tops - Sink faucet handles - Toys - Shared play equipment - Vinyl mattress covers - Floor mats - Water fountains - Diaper change stations - Potty chairs - Thermometers - Cribs/cots - High chairs - Other high-touch surfaces
	1,000 ppm bleach solution <i>(Minor blood/body fluid spill)</i>	10	
	Quaternary Ammonium Compounds (QUATS) <i>(i.e., Lysol®, ED- Everyday Disinfectant, Quato 78 Plus™, A-3®, Swish Clean and Green™)</i>	MIFU*	
	3% Hydrogen Peroxide	10	
	70-90% Alcohol (Ethyl or Isopropyl) <i>(For soaking, as the product evaporates quickly)</i>	10	
	Zochlor	MIFU*	
	Benefect®	10	
1. Outbreak situation 2. Major blood/body fluid spill 3. Confirmed viral or bacterial infection of pathogens listed below (non-outbreak situation) Effective against: <i>Mycobacteria, enveloped and non-enveloped viruses and fungi</i> - Mycobacteria tuberculosis - Norovirus - Hepatitis A Virus - Rotavirus - Coxsackie Virus/Hand, Foot and Mouth Disease - Rhinovirus/Common Cold - Candida	5,000 ppm bleach solution <i>Also a sporicidal (see below for recipe)</i>	10	For more information on infection prevention and control, visit york.ca/infectionprevention or contact York Region Health Connection 1-800-361-5653, TTY 1-866-252-9933, Health.Inspectors@york.ca
	≥ 6% Hydrogen Peroxide	MIFU*	
	Enhanced Action Formulation Hydrogen Peroxide <i>(i.e., PREempt)</i>	MIFU*	
	Zochlor	MIFU*	

Bleach (Sodium Hypochlorite) Solutions

Parts per million (ppm) Concentration	Recipes (~= approximately, tsp= teaspoon, tbsp=tablespoon)
100 ppm (1:500)	Mix 2 ml (1/2 tsp) of bleach with ~1 L (4 cups) of water
1,000 ppm (1:50)	Mix 20 ml (4 tsp) of bleach with ~1 L (4 cups) of water
5,000 ppm (1:10)	Mix 100 ml (6 ¾ tbsp) of bleach with ~1 L (4 cups) of water

- Use undiluted household bleach (5.25% or ~50,000 ppm) when making the solutions in the chart above
- Online dilution calculator available from Public Health Ontario at the following link: <https://www.publichealthontario.ca/en/health-topics/environmental-occupational-health/water-quality/chlorine-dilution-calculator>