

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> <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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> <ul style="list-style-type: none"> 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	<p>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</p>
	≥ 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>