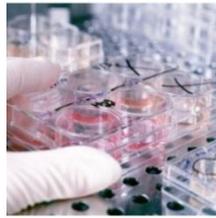




NATIONAL INSTITUTE FOR  
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# Cleaning Procedures



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- Use of **CORRECT** disinfectants is important
    - Preventing and reducing the spread of disease
  - Disinfectants may **NOT** work on all surfaces
    - Porous (carpets, bedding, clothing)
    - Semi-porous (Wood, dry wall, hardwood floor)
    - Non-porous (Some tiles& counter tops, glass, metal,)
  - Some disinfectants can be **toxic** and **expensive**
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The World Health Organization (WHO) and Centres for Disease Control and Prevention (CDC) recommend that appropriate disinfectants with proven activity against enveloped viruses be used to minimize the risk of transmission of COVID-19.

- Examples include
    - hypochlorite (bleach or jik)
    - alcohol (at least 60%)
    - hydrogen peroxide
    - phenolic compounds
    - quaternary ammonium compounds (QAC)
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# TYPES OF DISINFECTANTS

- Reagents can be **Undiluted** or **diluted**
    - Follow **manufacturer instructions** or product **label**
  - **Surfaces:** Liquids , powder, surface wipes
    - Disinfect **frequently touched surfaces** regularly (e.g. shared equipment, doorknobs, desks, and bedrails, bathroom taps etc.)
  - **Hands:** antimicrobial **soaps**, hand **gels** and **wipes**
    - **Clean** hands at the **door** and at **regular intervals**
    - **Gels** must be allowed to **dry** (No rinsing)
    - Use proper hand wash **technique** (e.g. WHO)
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# CLEANING AND DISINFECTION PROCEDURES

- Clean dirty surfaces with detergent or soap and water prior to disinfection
  - Wear disposable gloves when cleaning and disinfecting surfaces and dispose after each cleaning
  - If reusable gloves are used, should be dedicated (not used for other purposes) and disinfected
  - Ensure adequate supply of cleaning materials for healthy hygiene practices
  - Hand hygiene supplies should be accessible in patient care areas and change rooms
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# IMPORTANT TO REMEMBER

- **Effectiveness** of the cleaning agent is dependant on:
    - Concentration used (e.g. Df 1:4; 99,9%)
    - Ingredients, storage conditions, method
    - Volume (e.g. 2ml for hand gel)
    - Contact time (e.g. 10min. 5min, 1min)
    - Compliance standard (e.g. EN, SANS)
  - **Safety** consideration when using the disinfectants:
    - Material Data Safety Sheets (MSDSs)
    - Wash hands after use and moisturise hands
    - Increase air circulation (open window and fan)
    - Users should be trained and provided with PPE
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# LIST OF EPA REGISTERED DISINFECTANTS

<a href="#">EPA Registration Number</a>	Active Ingredient/s	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact time (time surface should remain wet)	Formulation Type	Emerging Viral Pathogen Claim?	Date Added to List N
10324-194	Quaternary ammonium	MAQUAT 2420-10	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-198	Quaternary ammonium	MAQUAT 702.5-M	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-214	Hydrogen Peroxide; Peroxyacetic Acid	MAGUARD 5626	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-230	Hydrogen Peroxide; Peroxyacetic Acid	MAGUARD 1522	MASON CHEMICAL COMPANY	Coronavirus	1 minute	DILUTABLE	N	03/03/2020
10324-57	Quaternary ammonium	MAQUAT 42	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-58	Quaternary ammonium	MAQUAT 128	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-63	Quaternary ammonium	MAQUAT 10	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020

- WHO
- CDC
- EPA
- NICD/NHLS
- NPIC
- FDA

Thank You

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