

COVID-19 SUMMARY GUIDANCE #7

Cleaning and disinfection management

Viability of SARS-CoV-2 on aerosols and different surfaces

Type of surface / aerosol	Viability	Half-life (hours)
Aerosols	Up to 3 hours	1.1-1.2
Stainless steel	Up to 72 hours	5.6
Cardboard/paper	Up to 24 hours	3.46
Plastic	Up to 72 hours	6.8
Copper	Up to 4 hours	0.7

Source: Neeltje van Doremalen, 2020

Disinfectants or disinfection methods for commonly contaminated objects

SARS-CoV-2 is sensitive to:

- Ultraviolet radiation
- Heat (56°C for 30 minutes)
- Disinfectants (for one minute):
 - Ether
 - Ethanol (62-75%)
 - Hydrogen peroxide 0.5%
 - Sodium hypochlorite 0.1%
 - Other chlorine-containing disinfectants
 - Peracetic acid
 - Chloroform
 - (Chlorhexidine could not effectively inactivate SARS-CoV-2)

Recommended applications

Hands: Soap and water, alcohol-containing quick-drying hand disinfectant, chlorine-containing disinfectant, hydrogen peroxide

Skin: 0.5% iodine-based disinfectant, hydrogen peroxide

Mucosa: 0.05% iodine-based disinfectant