Disinfectant	Concentration (active ingredients)	Contact Time (min)	Effective Against*					
			Vegetative Bacteria (B)	Fungi (F)	Lipophilic Viruses (LV)	Tubercle Bacillus (TB)	Hydrophilic Viruses (HV)	Spores (S)
Quaternary Ammonium	0.1 - 0.2%	10 - 30	++	++	++	-	-	-
Phenolic compounds	0.2 - 3.0%	10 - 30	++	++	++	++	+	-
Chlorine Compounds ** (available chlorine)	0.01 - 5.0%	10 - 30	++	++	++	++	++	+
Iodophor Compounds)	0.5%	10 - 30	++	++	++	++	+	-
Alcohol (ethyl or isopropyl)	70 - 85%	10 - 30	++	++	++	-	+	-
Formaldehyde	4 - 8%	10 - 30	++	++	++	++	++	+
Glutaraldehyde	2%	10 - 600	++	++	++	++	++	++

* B = Vegetative bacteria; F = fungi and asexual spores but not necessarily chlamydospores or sexual spores; LV = lipophilic viruses; TB = tubercle bacillus; HV = hydrophilic viruses; S = spores; + = positive response; ++ = very positive response; - = negative response.

** Household bleach contains approximately 5% available chlorine.

*** References: "Decontamination, Sterilization, Disinfection and Antisepsis in the Microbiology Laboratory," in Laboratory Safety: Principles and Practices and "Sterilization, Disinfection and Antisepsis in the Hospital," in Manual of Clinical Microbiology.

Disinfectant	Final Concentration**	Effective on:	Ineffective on:	Comments				
Phenolics: e.g. Lysol ^{TM*}	1/20	Bacteria, most viruses, TB, HIV	Spores, polio, Coxsackie viruses.	Relatively insensitive to high protein concentrations. Corrosive.				
Chlorine Bleaches: <i>e.g.</i> Chlorox ^{™*}	1:10	Bacteria, some spores, viruses, TB†, HIV	Some spores	Prepare once a week. It takes ~20 minutes to disinfect. Corrosive.				
Iodophors: <i>e.g.</i> Wescodyne™*	1:100	Bacteria, most viruses, TB	Spores	A surface disinfectant. Iodine is insoluble so it's not good in solutions. Corrosive.				
Alcohols: e.g. ethanol, isopropanol	70%	Bacteria, most viruses	Spores, TB	At 100% alcohols are a preservative!! Flammable.				
 * The use of brand names does not imply a recommendation. ** Concentration of named brands. † Use 1/5 dilution 								