

# Exterm<sup>TM</sup> Disinfecting Tablets

Providing the pharmaceutical industry with premium disinfection solutions

## Concerned about your current disinfection process?

**Exterm** is the solution to your problems. –*Disinfect or Sanitize –with just ONE small tablet.* We have a revolutionary, high level, broad spectrum disinfectant that works quickly and effectively. It is reasonably priced, easily stored, very powerful, and, most importantly, effective against the organisms that may create severe problems for your facility. **Exterm** is a neutral pH, high level disinfectant that *gently and effectively* rids you of your contamination issues. No mix, No mess, No microbes.

You just need a clean bucket/spray bottle, water, our small **Exterm** tablet, and a surface you want to disinfect and/or sanitize. Just drop the **Exterm** tablet into your container of tap water and you have a multi-functional, highly effective decontaminating solution. This product is neater, safer, more effective, and less expensive than other high level disinfectants.



### Simple to Use!

Drop **Exterm** tablet into water.

Spray or wipe surface.

It's that simple!

## What are the advantages?

- **Short contact times**
- **Biocidal at low concentrations**
- **Ultra low residuals**
- **No rinsing required**
- **No mixing and spilling of solutions**
- **Lower purchase costs than other high level disinfectants**
- **Less storage space required**
- **Lower shipping costs**

## Antimicrobial Properties / Mode of Action:

Exterm reacts with several cellular constituents, including the cell membrane of microbes. By "stealing" electrons from them, it breaks their molecular bonds, resulting in the death of the organism by the break up of the cell. Since Exterm alters the proteins involved in the structure of microorganisms, the enzymatic function is broken, causing very rapid bacterial kills. The oxidative attack on many proteins simultaneously is behind the potency of Exterm and explains why the cells of microorganisms are unable to mutate to a resistant form.

**Contact us for a free sample!**

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*CSI ClorDiSys Solutions, Inc.*

P.O. Box 549, Lebanon, NJ 08833-0138 Tel:(908) 236-4100 Fax:(908) 236-2222

[www.clordisys.com](http://www.clordisys.com)

## Contact Time vs. Concentration:

<b>Water Purification</b>	<b>Category</b>	<b>Organism</b>	<b>Concentration</b>	<b>Contact Time</b>
	Bacteria	Klebsiella terrigena	4 ppm	15 minutes
	Viruses	Poliovirus	4 ppm	15 minutes
	Viruses	Rotavirus	4 ppm	15 minutes
	Cysts-EPA challenge water I	Cryptosporidium parvum, Giardia	4 ppm	30 minutes
	Cysts-EPA challenge water II	Cryptosporidium parvum, Giardia	4 ppm	4 hours

<b>Hard Surface Disinfection</b>	<b>Category</b>	<b>Organism</b>	<b>Concentration</b>	<b>Contact Time</b>
	Bacteria	Tuberculosis	200 ppm	5 minutes
	Bacteria	Staphylococcus aureus	200 ppm	10 minutes
	Bacteria	Pseudomonas aeruginosa	200 ppm	10 minutes
	Viruses	Hantavirus	100 ppm	10 minutes
	Viruses	Mouse hepatitis virus (MHV)	100 ppm	10 minutes
	Viruses	Theiler's mouse encephalomyelitis virus (TMEV)	100 ppm	10 minutes
	Viruses	Minute virus of mouse (parvovirus) (MVM-p)	100 ppm	10 minutes
	Viruses	Minute virus of mouse (parvovirus) (MVM-i)	100 ppm	10 minutes
	Viruses	Mouse hepatitis virus (MHV-JHM)	100 ppm	10 minutes
	Viruses	Mouse parainfluenza virus type 1 (Sendai)	100 ppm	10 minutes
	Viruses	Sialodacryoadenitis virus (Coronairus) (SDA)	100 ppm	10 minutes
	Viruses	Human immunodeficiency virus type 1 (HIV)	200 ppm	1 minute
	Viruses	Norwalk virus	200 ppm	10 minutes
<b>Surface Sterilization</b>	Spores	Clostridium sporogenes	1000 ppm	1 hour
	Spores	Bacillus subtilis	1000 ppm	1 hour

## Comparison Chart:

<b>Typical Disinfecting Agents</b>	<b>Disadvantages</b>	<b>pH</b>	<b>Contact Times</b>	<b>Cost</b>
Alcohols	Evaporates too quickly for an effective kill of many organisms Flammable Odor	Neutral	Minutes	\$
Phenolics	Not effective against resistant bacterial spores Odor Toxicity or performance issues	Various		\$\$\$
Quaternary Ammonium Compounds	Not effective against spores Affected by water quality Soap interferes with action Toxicity or performance issues	Neutral - Acidic	Minutes - Hours	\$
Paracetic Acid/Hydrogen Peroxide mixes	Acidic Not compatible with all surface active agents Damages certain surface finishes and materials Typically requires dilution of the solution	pH 2 - Acidic	Minutes	\$\$\$
Glutaraldehyde	Toxicity or performance issues Requires mixing of solutions	Neutral	Minutes - Hours	\$\$\$
Bleach	Damages certain surface finishes and materials Requires higher concentrations Requires dilution of the solution Slight odor	Alkaline	Minutes - Hours	\$
Chlorine Dioxide liquid mixes	Damages certain surface finishes and materials Acidic Requires mixing of solutions Slight odor	pH 3 - Acidic	Seconds - Minutes	\$\$
Exterm	Slight odor	Neutral	Seconds - Minutes	\$\$