



**GERMICIDAL ENERGY REQUIRED TO DESTROY COMMON MICROORGANISMS**

**BACTERIAL ORGANISMS**

Microorganism	Energy, $\mu\text{W-sec/cm}^2$
Bacillus anthracis .....	4,520
Bacillus megatherium .....	1,300
Bacillus megatherium spores .....	2,730
Bacillus paratyphosus .....	3,200
Bacillus subtilis .....	7,100
Bacillus subtilis spores .....	12,000
Clostridium tetanni .....	22,000
Corynebacterium diphtheriae .....	3,370
Dysentery bacilli .....	2,200
Eberthella typhosa .....	2,140
Escherichia coli .....	3,000
Leptospira ( <i>Infectious Jaundice</i> ) .....	6,000
Microbacterium tuberculosis .....	10,000
Micrococcus candidus .....	6,050
Micrococcus lutea .....	19,700
Micrococcus sphaeroides .....	10,000
Neisseria Catarrhalis .....	4,400
Phytomonas tumefaciens .....	4,400
Proteus vulgaris .....	2,640
Pseudomonas aeruginosa .....	3,500
Pseudomonas fluorescens .....	8,000
Salmonella enteritidis .....	4,000
Salmonella typhimurium .....	8,000
Salmonella typhosa ( <i>Typhoid fever</i> ) .....	4,100
Salmonella paratyphi ( <i>Enteric fever</i> ) .....	6,100
Sarcina lutea .....	19,700
Serratia marcescens .....	2,420
Shigella flexneri ( <i>Dysentery</i> ) .....	3,400
Shigella paradysenteriae ( <i>Dysentery</i> ) .....	1,680
Spirillum rubrum .....	4,400
Staphylococcus albus .....	1,840

Microorganism	Energy, $\mu\text{W-sec/cm}^2$
Staphylococcus aureus .....	2,600
Streptococcus hemolyticus .....	2,160
Streptococcus lactis .....	6,150
Streptococcus viridans .....	2,000
Vibria cholerae ( <i>Cholera</i> ) .....	6,500

**YEASTS**

Saccharomyces cerevisiae .....	6,000
Saccharomyces ellipsoideus .....	6,000
Saccharomyces sp. ....	8,000
Brewer's yeast .....	3,300
Baker's yeast .....	3,900

**MOLD SPORES**

Aspergillus flavus .....	60,000
Aspergillus glaucus .....	44,000
Aspergillus niger .....	132,000
Mucor racemosus A .....	17,000
Mucor racemosus B .....	17,000
Oospora lactis .....	6,000
Penicillium digitatum .....	44,000
Penicillium expansum .....	13,000
Penicillium roqueforti .....	13,000
Rhizopus nigricans .....	111,000

**VIRUS**

Bacteriophage ( <i>E. Coli</i> ) .....	6,600
Influenza .....	6,600
Poliovirus ( <i>Poliomyelitis</i> ) .....	6,000
Virus of Infectious Hepatitis .....	8,000