

EFICACITATEA BACTERICIDA A RADIATIILOR ULTRAVIOLETE
(microwatt-seconda pe cm.patrat)

Următorul tabel arată nivelul de expunere (microwatt –secunde pe cm.patrat), la care trebuie să fieexpusa apa pentru a elimina elementele indicate(bacterii, spori, alge, protozoare, virusi, drojdii).

De exemplu, un nivel mai ridicat mult de 30.000 de microwatt-secunde pe cm.patrat sunt eliminate aproape toate elementele indicate .

| Nivelul de energie necesar pentru o lungime de undă de 2537 Angstrom in distrugerea a 99,9% din urmatoarele microorganisme Energia UV exprimat în Micro Watt -secunde pe centimetru pătrat | |
|--|-------|
| BACTERII | |
| Agrobactrium tumetaciens | 8500 |
| Bacillus anthracis | 8700 |
| Bacillus megaterium (vegetative) | 2500 |
| Bacillus megaterium (spores) | 52000 |
| Bacillus subtilis (vegetative) | 11000 |
| Bacillus subtilis (spores) | 58000 |
| Clostridium tetani (Tetano) | 22000 |
| Corynebacterium diphtheriae | 6500 |
| Escherichia coli | 7000 |
| Legionelia bozemanii | 3500 |
| Legionelia dumoffii | 5500 |
| Legionelia gormarii | 4900 |
| Legionelia micdadei | 3100 |
| Legionelia longbeachae | 2900 |
| Legionelia pneumophia | 3800 |
| Leptospira interrogans (infectious jaundice) (Leptosirosi) | 6000 |
| Mycobacterium tuberculosis | 10000 |
| Neisseria catarrhalis | 8500 |
| Proteus vulgaris | 6600 |
| Pseudomonas aeruginosa (laboratory strain) | 3900 |
| Pseudomonas aeruginosa (envir. strain) | 10500 |
| Rhodospirillum rubrum. | 6200 |
| Salmonelia enteritidis | 7600 |
| Salmonelia paratyphi (enteric fever) | 6100 |
| Salmonelia typhimurium. | 15200 |
| Salmonelia typhosa (typhoid fever) (Febbre Tifoide) | 6000 |
| Sarcina iutea | 26400 |
| SSerratia marcescens | 6200 |

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|--|-------|
| Shigelia dysenteriae (dysentery) (Dissenteria) | 4200 |
| Shigelia flexneri (dysentery) | 3400 |
| Shigelia sonnei | 7000 |
| Staphylococcus epidermidis | 5800 |
| Staphylococcus aureus | 7000 |
| Staphylococcus faecalis | 10000 |
| Streptococcus hemolyticus | 5500 |
| Streptococcus iactis | 8800 |
| Veridans streptococci | 3800 |
| Vibrio cholerae (colera) | 6500 |

| SPORI | |
|--------------------------------------|--------|
| Aspergillus flavus (yellowish green) | 99000 |
| Aspergillus glaucus (bluish green) | 88000 |
| Aspergillus niger (black) | 330000 |
| Mucor ramosissimus (white gray) | 35200 |
| Penicillum digitatum (olive) | 88000 |
| Penicillum expansum (olive) | 22000 |
| Penicillum roqueforti (green) | 26400 |
| Rhizopus nigricans (black) | 220000 |
| ALGE | |
| Chlorelia vulgaris (algae) | 22000 |
| PROTOZOARE | |
| Nematode eggs | 92000 |
| Paramecium | 200000 |
| VIRUS | |
| Bacteriophage (E. coli) | 6600 |
| Hepatitis virus | 8000 |
| Influenza virus | 6600 |
| Polio virus (Poliomyelitis) | 21000 |
| Rota virus | 24000 |
| Tobacco mosaic virus | 440000 |
| DROJDII | |
| Baker's yeast | 8800 |
| Brewer's yeast | 6600 |
| Common yeast cake | 13200 |
| Saccharomyces var. ellipsoideus | 13200 |
| Saccharomyces sp | 17600 |