



ATO QUAT

(DIN#02243658)

Quaternary ammonium based disinfectant

DESCRIPTION

ATO QUAT (DIN#02243658) is a foaming **disinfectant** that could be used by circulation or manual application. Whenever disinfection is required, **ATO QUAT** will do excellent work economically.

APPLICATION

Do not mix with soap. Apply or let soak on clean surfaces for 3 minutes minimum.

Disinfection: 5mL/L of water provide 500 ppm of active quaternary ammonium. Rinse with abundant potable water.

Sanitizing: 2mL/L of water provide 200 ppm of active quaternary ammonium. Do not **rinse** if the concentration is equal or below 200 ppm.

PROPERTIES

Appearance: Clear liquid

Odor: Pleasant

pH (as is): 7.00 ± 1.00

Specific gravity @ 25°C: 0.985 ± 0.050

INGREDIENTS

Contains: 10% N-Alkyl dimethyl benzyl ammonium chloride

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BIOLOGICAL PROPERTIES

Phenol Coefficients

Phenol Coefficients of **ATO QUAT** were determined by the official A.O.A.C procedure

10- Minute Killing Dilution

Organism Bacteria	Dilution of AtoQuat in water to get the 10 minute killing	Concentration of AtoQuat (ml/L) to kill in 10 minutes	ppm of AtoQuat to kill the microbe in 10 minutes	Phenol Coefficient
<i>Brucella abortus</i>	1/5088	0.20 ml/L	20 ppm	370
<i>Escherichia coli</i>	1/3375	0.30 ml/L	30 ppm	390
<i>Klebsiella pneumoniae</i>	1/3125	0.32 ml/L	32 ppm	278
<i>Lactobacillus casei</i>	1/13125	0.08 ml/L	8 ppm	1050
<i>Listeria monocytogenes</i>	1/9000	0.11 ml/L	11 ppm	720
<i>Mycobacterium amegmatis</i>	1/2625	0.38 ml/L	38 ppm	309
<i>Neisseria caiarrbalis</i>	1/2163	0.46 ml/L	46 ppm	221
<i>Pasteurella multocida</i>	1/6763	0.14 ml/L	14 ppm	492
<i>Proteus vulgaris</i>	1/1500	0.66 ml/L	66 ppm	171
<i>Pseudomonas aeruginosa PRD-10</i>	1/1750	0.57 ml/L	57 ppm	200
<i>Salmonella gallinarum</i>	1/3500	0.28 ml/L	28 ppm	300
<i>Salmonella pullorum</i>	1/3125	0.32 ml/L	32 ppm	278
<i>Salmonella typhimurium</i>	1/2500	0.40 ml/L	40 ppm	250
<i>Salmonella schottumelleri</i>	1/7500	0.13 ml/L	13 ppm	630
<i>Salmonella typhosa</i>	1/5625	0.18 ml/L	18 ppm	500
<i>Shigella sonnei</i>	1/3125	0.32 ml/L	32 ppm	313
<i>Staphylococcus aureus</i>	1/5625	0.18 ml/L	18 ppm	750
<i>Streptococcus fecalis</i>	1/18750	0.05 ml/L	5 ppm	2150
<i>Streptococcus pyogenes C-203</i>	1/3125	0.32 ml/L	32 ppm	313
<i>Streptococcus viridans</i>	1/8750	0.11 ml/L	11 ppm	778
FUNGI				
<i>Saccharomyces cerevisiae</i>	1/6250	0.16 ml/L	16 ppm	500