



# PAA - Germicidal Effect

Temperature of action	5°C (41°F)		10°C (50 °F)		20°C (68°F)		40°C (104°F)	
Application concentration (%) as PAA 100%	0.01	0.025	0.01	0.025	0.01	0.025	0.01	0.025
<b>Gram-positive bacteria</b>								
Staph. aureus	5	3	3	2	2	1	1	0.5
Strept. faecalis	3	3	3	2	2	1	1	0.5
<b>Gram-negative bacteria</b>								
Enterobacter aerogenes	1	1	1	1	1	1	1	0.5
Ps. aeruginosa	3	1	2	1	1	0.5	1	0.5
Salmonella types	3	2	3	2	2	2	1	1
<b>Yeasts</b>								
Sacch. cerevisiae	20	10	10	5	3	1	1	0.5
Cand. mycoderma	120	40	90	40	40	10	3	1
<b>Molds</b>								
Penicillium cameronense	>120	90	>120	90	20	10	3	1
Asp. niger	>240	>240	>240	>240	90	60	10	5
Mucor spec.	>240	>240	>240	>240	20	5	3	1
Application concentration (%) as PAA 100%	0.025	0.05	0.025	0.05	0.025	0.05	0.025	0.05
<b>Sporulators</b>								
Bac. cereus	>60	>60	>60	>60	>60	60	40	10
Bac. subtilis	>60	40	>60	>60	>60	60	40	10
Bac. mesentericus	>60	40	>60	40	10	5	10	1
Thermophile sporulators	>60	40	40	40	20	5	5	2
Clostridium perfringens	>60	10	>60	10	20	5	2	1

Kill times in minutes (suspension method) with colony counts of  $10^7$  -  $10^8$  per mL of inoculum.