



Efficacy Data for

**DUAL-BLEND #23 Saniquat  
(#5093)**

<b>Use</b>	<b>Dilutions</b>	<b>Quat Active</b>	<b>Hard Water</b>
Sanitization (non-food contact )	0.25 oz per gal of water	500 ppm	200 ppm

**Non-Food Contact Surface Sanitizer**

Add 1 ounce of the product to 4 gallon of water to sanitize hard non-porous non-food contact surfaces. Treated surfaces must remain wet for 1 minute. Then wipe with sponge, mop or cloth or allow to air dry.

<b>Organism</b>	<b>Carrier Population</b>	<b>Sample</b>	<b># Carriers</b>	<b># Positive</b>
Aeromonas hydrophila	5.1 X 10 <sup>6</sup> CFU/Carrier	A	10	0 / 10
		B	10	0 / 60
Cronobacter sakazakii	5.7 X 10 <sup>5</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Enterococcus faecalis Vancomycin Resistant (VRE) ATCC 51299	1.3 X 10 <sup>7</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Escherichia coli ATCC 11229	1.3 X 10 <sup>7</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Escherichia coli O111:H8 ATCC BAA-184	4.3 X 10 <sup>6</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Escherichia coli O157:H7	3.1 X 10 <sup>5</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Klebsiella pneumoniae ATCC 13883	1.2 X 10 <sup>6</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Listeria monocytogenes ATCC 19117	7.7 X 10 <sup>6</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60



**World Class Cleaning & Hygiene Solutions™**

Organism	Carrier Population	Sample	# Carriers	# Positive
Salmonella	9.2 X 10 <sup>4</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Salmonella enteritidis	1.3 X 10 <sup>6</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Salmonella typhi ATCC 6539	8.3 X 10 <sup>6</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Shigella dysenteriae	2.6 X 10 <sup>4</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Shigella flexneri ATCC 9380	1.99 X 10 <sup>6</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Staphylococcus aureus ATCC 14154	9.2 X 10 <sup>5</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Staphylococcus aureus Methicillin Resistant (MRSA) ATCC 33592	5.4 X 10 <sup>6</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Staphylococcus aureus Community Associated Methicillin Resistant (CA- MRSA)	6.3 X 10 <sup>6</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Staphylococcus aureus Community Associated Methicillin Resistant (CA-MRSA) (NARSA NRS384) Genotype USA300)	1.60 X 10 <sup>6</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Streptococcus pyogenes ATCC 19615	4.7 X 10 <sup>4</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60
Yersinia enterocolitica ATCC 23715	1.2 X 10 <sup>7</sup> CFU/Carrier	A	10	0 / 60
		B	10	0 / 60