Accelerated Hydrogen Peroxide® (AHP®) versus QUATs

AHP® removes the need to compromise between efficacy and safety by providing a balance between killing a broad spectrum of pathogens while remaining gentle for users, animals, materials and the environment.

- AHP® provides contact times that are two times faster providing confidence that disinfection has been achieved
- AHP® is biodegradable. Hydrogen Peroxide breaks down into water and oxygen reducing environmental impact.
- AHP® does not leave behind toxic residues which can lead to antibiotic resistance.

KEY PRODUCT CHARACTERISTICS:

Unlike QUATS, AHP® does not lead to Occupational Asthma or pose concern with loss of efficacy due to negative reactions with commonly used cleaning substrates (e.g. QUAT Binding).

	Accelerated Hydrogen Peroxide®	QUATs
Active Ingredient	0.5%-4.25% Hydrogen Peroxide	4.22%-24%
In Use Concentration	300ppm – 5000ppm	200ppm – 1875ppm

CLEANING EFFECTIVENESS:

AHP® utilizes both anionic and non-ionic surfactants within its formulation. Anionic surfactants have superior cleaning abilities in comparison to cationic surfactants as the electrical charge of anionic surfactants interact better with soil particles allowing for easier removal. In addition, non-ionic surfactants help in preventing redeposition of soils that have been lifted off the surface.

	Accelerated Hydrogen Peroxide®	QUATs
Contains Surfactants	Yes (anionic and non-ionic)	Yes (cationic)

EFFICACY PROFILE:

AHP® is proven to deliver superior kill performance; contact times are two times faster which ensures compliance that disinfection has been achieved. AHP® products have been proven effective against a broad-spectrum of pathogens, giving you confidence that your facility is protected against pathogens of concern.

	Accelerated Hydrogen Peroxide®	QUATs
Broad-Spectrum Sanitizer	Yes 30 seconds – 3 minutes	Yes 3 minutes
Bactericidal	Yes 1 minute - 5 minutes	Yes 10 minutes
Enveloped Viruses	Yes 30 seconds - 5 minutes	Yes 10 minutes
Non-Enveloped Viruses	Yes 30 seconds - 5 minutes	Yes 10 minutes

The Accelerated Hydrogen Peroxide® (AHP®) branded technology is manufactured by Virox Technologies Inc.
2770 Coventry Road, Oakville, Ontario, L6H 6R1 Canada
ViroxAnimalHealth.com

Fungi	Yes 30 seconds - 5 minutes	Yes 10 minutes

TOXICITY PROFILE:

AHP® formulations have proven to be essentially non-toxic and non-irritating (in use solution) which gives assurance that animal and human health will not be jeopardized.

	Accelerated Hydrogen Peroxide®	QUATs
Personal Protective Clothing	In Use: PPE Not Required	In Use: Goggles and Gloves
Essentially Non-Irritating to Eye at the Use Dilution	Yes	No
Essentially Non-Irritating to Skin at the Use Dilution	Yes	No
Lowest EPA Inhalation Toxicity Rating at the Use Dilution	Yes	No

ENVIRONMENTAL PROFILE:

The active ingredient used in all AHP® formulations is biodegradable, as hydrogen peroxide breaks down into water and oxygen reducing environmental impact and improving the environment for animals and those who care for them. Quats have been known to bioaccumulate in the environment and leave behind toxic residues which can lead to the development of antibiotic resistance.

	Accelerated Hydrogen Peroxide®	QUATs
VOC Free	Yes	Yes
Environmentally Preferred	Yes	No