



InduceAcid Liquid (IAL)

For the water quality

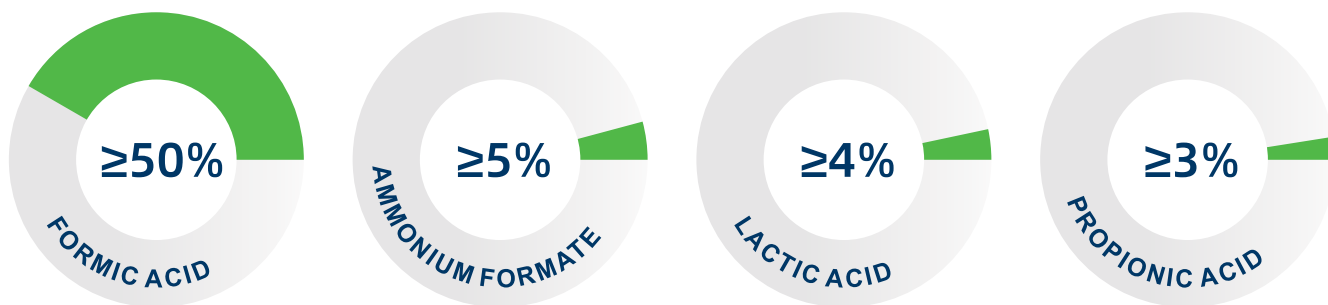
The sanitation of drinking water pipelines in livestock and poultry could directly affect the water quality, and lead to biofilm risk and negative impact on production performance.

Formic acid is one of the strongest organic acids with the highest molecular density and has been shown effective against a number of pathogens. In shrimp aquaculture, formic acid could be used to control vibriosis.

InduceAcid Liquid (IAL), a specialty compound Acidifier in liquid form developed by CP BIO, contains high content of formic acid and other organic acids. IAL could help to reduce the “biofilm risk” and improve digestibility in swine, chickens and aquaculture.



Scientific Formula

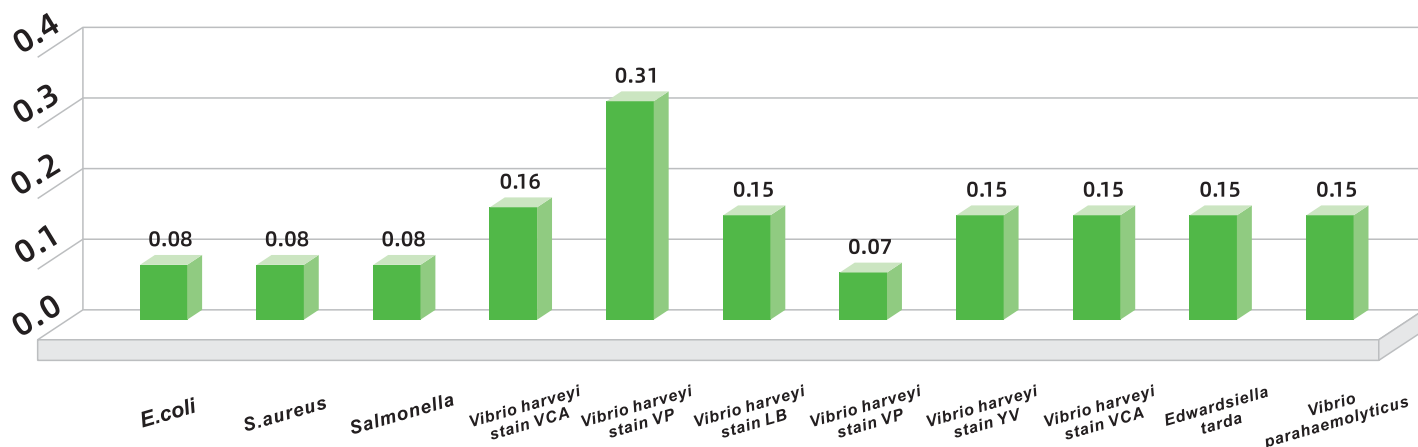


IAL: Functions

- 1 • Reduces the Ph of drinking water
- 2 • Improve the quality of drinking water (less bacteria mass)
- 3 • Reduce diarrhea
- 4 • Promote digestion and growth performance
- 5 • Control the pathogenic bacteria (*E.coli*, *Salmonella spp.*, *S. aureus*, *Vibrio spp.*)
- 6 • Eliminate the biofilm inside the drinking water system

IAL : MIC against pathogenic bacteria

Minimum Inhibitory Content (%)



IAL: Trial Data • pH reduction in GIT

Items	IAL	Control group
pH of drinking water	3.81 ± 0.31 ↓	7.17 ± 0.03
pH in crop(30min)	5.01 ± 0.09 ↓	5.29 ± 0.22
pH in muscular stomach(70min)	4.14 ± 0.21 ↓	4.49 ± 0.30

• Clean the water pipeline

Weight of impurities in 500g water sample Before soaking 0.05g After soaking 1.06g <i>Inhibit the pathogen in drinking water</i>					Experimental design	Result
	Before cleaning (Inlet)	Before cleaning (Outlet)	After cleaning (Inlet)	After cleaning (Outlet)	Weaned piglets, 100 heads 21-51 days-old IAL: 1.5L/1000L in drinking water	ADG, +35g FCR, -0.03 Diarrhea rate, -1.9%
<i>S. aureus</i>	100	500	0	0		

Direction for use

For Poultry, 1ml per 2-5 Ltrs of water, depends upon Ph of the drinking water
For Aquaculture, 50-100mL/ 1000L (50-100 ppm) in the pond.

