**sQWash** is the perfect disinfectant for livestock facilities:

- Selectively and Effectively kills *E. coli* and *Salmonella*
- Kills *E. coli* and *Salmonella* where they hide!
- Non-hazardous to livestock, humans, and “friendly” bacteria
- Spray-on/Leave-on as a final rinse after washing facilities
- Long-lasting on wood and other surfaces
- Economical and cost-effective

Source: Henning. 2013. Penn State University
FAQs about...

How is SQWash Selective and Effective?

Most bacteria do not contain the enzyme that pathogenic E. coli and Salmonella contain. As a result, the pathogenic E. coli and Salmonella are targeted by an active ingredient in SQWash. Why is SQWash selective? Without the enzyme, the ingredient is non-toxic, thus so-called “friendly bacteria” are not affected.

SQWash is effective because both E. coli and Salmonella bacteria are susceptible to this now-toxic compound! Like a package bomb, these pathogens take the compound inside their cell, “open,” and convert the compound into a toxin...BOOM! They’re dead!

How do I use SQWash in my facility?

Final Rinse for Facilities Using SQWash is simple! It is already diluted to a ready-to use concentration. After power-washing livestock facilities such as pens, chutes, or trucks, simply saturate the surfaces by spraying SQWash using a power sprayer or garden sprayer. There is no need to rinse because SQWash is non-toxic to livestock and will kill E. coli or Salmonella on the pen surfaces, thus reducing the likelihood of infection from these pathogens when new livestock arrive in your facility. SQWash kills pathogens where they normally are waiting for their next victims.

Can I feed SQWash to my livestock?

SQWash is not toxic to livestock but some active ingredients are not approved for feeding livestock. In addition, feeding some ingredients for the final 30 days before slaughter is patented as a method to prevent E. coli or Salmonella contamination of the carcass. Feeding SQWash is not permitted because the ingredients are not yet approved and feeding for the last 30 days would be a patent infringement as well. We do not recommend feeding SQWash to livestock for these reasons.

How does SQWash kill E. coli and Salmonella?

SQWash contains an active ingredient which is extremely effective but also selective in killing E. coli and Salmonella. These pathogenic bacteria uniquely have an enzyme which enables them to use nitrate as an energy source. This is the reason that livestock have more health problems when nitrate is present in the water supply.

SQWash acts like a package bomb! When E. coli or Salmonella consume SQWash, they convert a compound in SQWash into one which is toxic only to these pathogenic bacteria thus killing them.

Will SQWash hurt my livestock?

Livestock owners need not be concerned that their livestock might consume a small amount of SQWash by licking pens, gates, and other surfaces in their facility. The ingredients in SQWash are not toxic to livestock. In fact, the Agriculture Research Service of USDA has shown the active ingredients in SQWash effectively kills E. coli and Salmonella bacteria when fed to livestock as a method to prevent these pathogens on carcasses. No need to worry about residual amounts of SQWash being consumed by livestock because the dosage would be extremely small. USDA researchers fed an amount approximately equal to 30 ml SQWash per 100 lb body weight per day so, licking pens would be comparatively insignificant.