

The Medical Products Agency - Sweden

Laboratory and Certification Department

Evaluation of Efficacy of Ionic Silver Water on:
PMWS (Postweaning Multisystemic Wasting Syndrome)
PRRS (Porcine Reproductive and Respiratory Syndrome)
Aujeszky's Disease, ASFV (African Swine Fever Virus)

Test Report Number: CVW No. 20-898, TX No. 05536SE, BBC/cza 1312

Date: 21.03.2018

Test Methods:

Five different concentrations (10, 5, 2, 1 and 0.25 ppm strong silver water) to evaluate the minimum silver water concentration against **PMWS, PRRS, ASFV** and **Aujeszky's Disease** for 60 minutes and 24 hours at 6 degrees Celsius.

Pretreated **PMWS, PRRS, ASFV** and **Aujeszky's Disease** grown on plates and incubated for a maximum of 24 hours in laboratory.

Result:

No growth of **PMWS, PRRS, ASFV** and **Aujeszky's Disease** was treated with 10 ppm, 5 ppm and 2 ppm strong silver water concentration, 1 ppm strong silver water concentration demonstrating a little lower efficacy.

0.25 ppm was demonstrating lower effect on **PMWS, PRRS, ASFV** and **Aujeszky's Disease**).

Therefore, in the event of ongoing hard outbreaks, the concentration should exceed 1 ppm> in view of the results we observed during testing time.

For prevention and no ongoing outbreak did it works great with 0.25 ppm strong silver water solution for effective kill the virus and bacteria in this test.

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The efficiency difference between 1 hour or 24 hours of incubation was almost non-existent, full effect with silver water solution can be expected after 1-2 hour of treatment. At the individual level, it can of course distinguish between the time of incubation from treatment to the desired and desired effect, but never over 24 hours.

Conclusion:

Demeter generator's silver water technology is a fully modernized machine who mass-produce silver water, where there are high consumption needs.

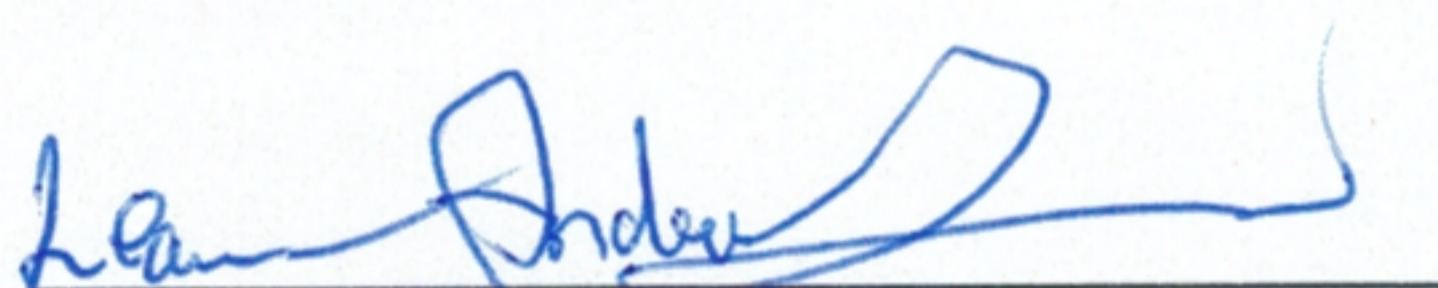
From a medical perspective, we see silver water method is very effective to treat PMWS, PRRS, ASFV and Aujeszky's

The advantage with Demeter silver water technology is the great flexibility Demeter machine give users/farmers, to adjust the strength of silver water they want to use, based on the need for day and the state of the animals. This makes the whole concept unique from many perspectives.

Our conclusion is that we undoubtedly recommend the treatment of PMWS, PRRS, ASFV and Aujeszky's with different strengths of silver water solution.

Signed By Responsible.

Date: 21.03.2018 in Sweden.



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