

Questions, Answers and Comments

1. **Is there anything we should consider when procuring the generator of Hypochlorous Acid Water (HAW) or while in use of HAW in the laboratory?**

There are many types in HAW in different pH and chlorine concentration. The type of HAW and its generator should be selected depending on its intended use. There are many kinds of generators of HAW sold from many manufacturers, but unfortunately, some do not produce high quality HAW. You should select the generator which meets your intended use and the standards of HAW industry.

2. **How much of organic substance will affect bactericidal property of HAW?**

Data showed that bactericidal property decreases when bovine serum albumin of 0.1% by weight of HAW is added to the HAW.

3. **Hypochlorous acid water (HAW) was previously used in birds holding room at OIST, but reduction in egg production was observed after the use of HAW, and then use of HAW was stopped.**

Thank you for the valuable information. Such information is very useful for users and manufacturers of HAW. I do not know what kinds of HAW and HAW generator was used at the holding room, and I cannot say definitive suggestions. However, chlorine from HAW may have had influence on the birds. The effect of chlorine would be significant in closed room. Some HAW generators do not meet the standards of HAW industry and may generate relatively high amount of chlorine. I recommend that you use the HAW generator which meets the standards of the relevant industry.