

Preliminary study on efficiency of disinfectants for *Aeromonas hydrophila*

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Abstract The objective of this study was to evaluate the efficiency of formalin, chlorine and potassium permanganate to kill *Aeromonas hydrophila* from ill fish, freshwater, and the referenced bacterial sample DMST 422 from Ministry of Public Health of Thailand. The result was found that all strains of *A. hydrophila* were killed by 40 ppm formalin and 20 ppm potassium permanganate within 24 and 12 hours respectively, while 2 ppm chlorine could not kill them within 24 hours. In conclusion, formalin and potassium permanganate concentration in this study could be as an appropriated dose for killing *A. hydrophila*.

Keywords : disinfectant, formalin, chlorine, potassium permanganate, *A. hydrophila*
