

<Marine Organism Rearing Log>

9 AM, October 25, 2023

Weather: Sunny

Water temperature: 18.4°C

In closed-cycle rearing, nitric acid ( $\text{NO}_3$ ) accumulates in the rearing water as a result of the purification of ammonia ( $\text{NH}_3$ ) excreted by the organisms. Therefore, a denitrification tank is used to change nitric acid into nitrogen gas ( $\text{N}_2$ ) with the help of bacteria (denitrification bacteria), and discharge/remove it from the system.

