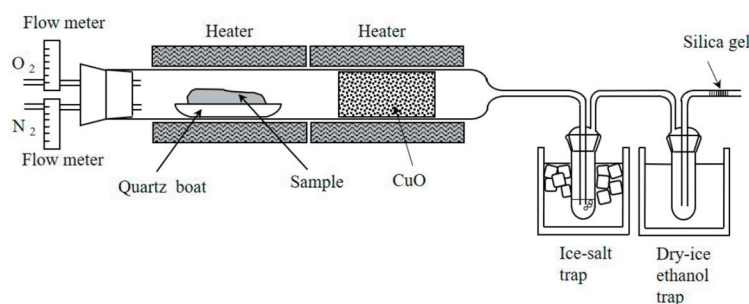
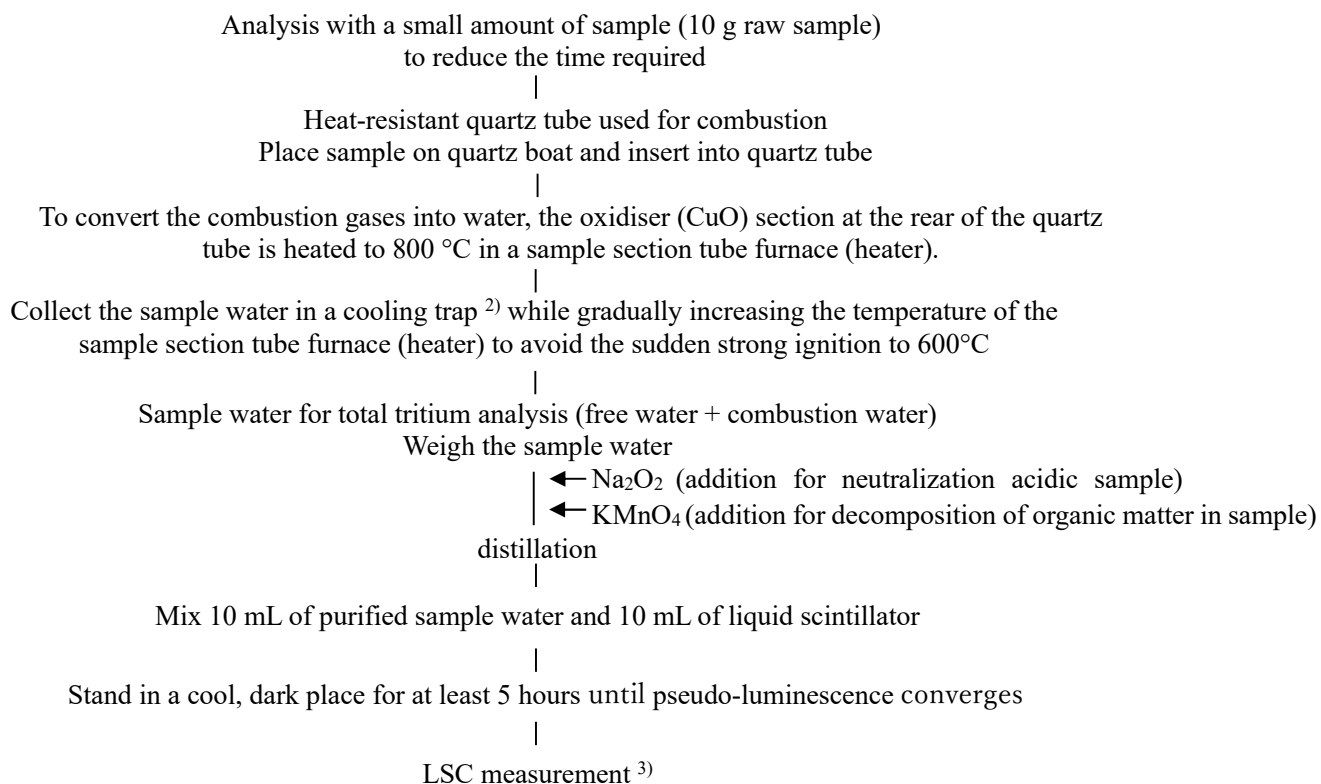


The analysis method is based on Tamari et al. ¹⁾.



Combustion apparatus ¹⁾

1) Tamari, T., et al, Rapid Tritium Analysis Method in Seafood for Dose Evaluation. Jpn. J. Health Phys., 55 (3), 136 ~ 143 (2020) (in Japanese). DOI: 10.5453/jhps.55.136

2) Collected in a two-stage cold trap to ensure sufficient sample water collection. Mixtures of free water and combustion water are collected.

1st trap: Cooled with salt and ice (to recover most of the sample water by cooling below 0°C).
Add 5 mL of tritium-free water as bubbler water in advance to increase the sample water recovery.

2nd trap: Cooled with dry ice and ethanol (to ensure loss-free recovery by lower temperature).

3) Measured as total tritium (TFWT+OBT).