

Procedures Involved in Radioecological  
Studies with Marine Zooplankton

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*Various procedures in marine radioecological experiments with zooplankton are considered in the light of the possibility of establishing reference methods for marine radiobiological studies. Methods for collection, handling and maintenance prior to and during experiments are suggested for various types of zooplankton. The importance of physiological and physico-chemical parameters are discussed in the context of the experimental design with the aim of achieving comparable results among workers involved in this field of research.*

In: Design of Radiotracer Experiments in Marine Biological Systems,  
Technical Report Series No. 167:p.63 IAEA, Vienna (1975)

Procedures for Radioecological Studies  
with Marine Benthic Invertebrates

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*Methods for the collection, transportation, and pre-experimental handling are briefly described. In designing radioecological experiments on marine benthic invertebrates it is important to prevent overcrowding and to choose healthy, well-acclimated animals. Feeding of the animals and presence or absence of sediments in the aquaria are critical variables in many experiments. Length of time the experiment is run and interim growth of the experimental animals may result in significant variability in results. The physico-chemical form of the radiotracer is another important experimental variable.*

In: Design of Radiotracer Experiments in Marine Biological Systems.  
Technical Report Series No. 167, p. 107, IAEA, Vienna (1975)