

BASIC KNOWLEDGE IN MARINE SCIENCES

Edited by

Normawaty Mohammd-Noor



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Chapter 33 Procedure of Histological Experiment

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Introduction

This chapter explains the methods of histology experiments based on Culling (1974). Histology experiments are useful techniques to examine the organs or tissues of various animals.

1. Fixation of Specimens

- a. Specimens can be fixed in Bouin's solution (Bouin's solution is made of picric acid, formalin and acetic acid in the ratio of 15:5:1).
- b. The volume of Bouin's solution should be 50 times the specimens' volume.
- c. Specimens: keep for one hour to 24 hours depending on specimens' size.



Fig. 1. Specimens fixed in Bouin's solution