

HAKE CARE
SOP# = Ostei7

PURPOSE: To describe methods of care for hake.

POLICY: To provide optimum care for all animals.

RESPONSIBILITY: Collector and user of the animals. If these are not the same person, the user takes over responsibility of the animals as soon as the animals have arrived on station.

IDENTIFICATION:

Common Name	Scientific Name	Identifying Characteristics
Pacific hake	<i>Merluccius productus</i>	<ul style="list-style-type: none"> - Large scales - Protruding lower jaw with no whiskers - They have two dorsal fins with the second one being long and deeply notched - The anal fin is also long and deeply notched - Can reach 91cm in length 

CAPTURE:

Location	- These fish are found at deep depths by day, but rise to surface waters after dusk
Methods	- They can be caught as by-catch in salmon nets and ground fish trawls - Survival is low due to stress and hemorrhaging
Transport	**Please follow transport and handling of fish SOP.

ANIMAL CARE:

Holding Requirements	<ul style="list-style-type: none">- Held in continually flowing seawater- Lids are necessary- Water must be aerated
Feeding	<ul style="list-style-type: none">- Feed these fish with tiny shrimp-like plankton- Fish generally do not feed until they are comfortable with their surroundings
Tank Cleaning	<ul style="list-style-type: none">- Once every 2-3 weeks, fish should be removed from the tank and placed into a holding bucket with well aerated water- The tanks should be drained and the sides and bottom should be scrubbed and rinsed with warm freshwater- The tanks should then be rinsed with cold seawater and allowed to refill, and the hake replaced.
Daily Activities	<ul style="list-style-type: none">-Ensure water is flowing into the tank at a reasonable rate.-Ensure the standpipe is in place and not blocked.-Check for and remove dead animals.-Check for and remove any uneaten prey organisms.-Check for and remove foreign organisms.
Animal Return	<ul style="list-style-type: none">-Animals should be returned to the site of their collection- Be sure to have well oxygenated water in bucket that they are being returned in- If any anesthetic chemical has been used on the fish during its holding at BMSC, the animal must not be released before the drug withdrawal time. Withdrawal time should be on the label of an anesthetic in degree-days or 'ATUs' (degree-days are the accumulated thermal units for a given day. One day at 10C is 10 degree-days)