

Aquatic Animal Supplementation Survey

Purpose: The purpose of this survey is to determine the ranges of key supplements currently being fed to aquatic animals. No institution will be individually identified in any presentations or publications using this material. Previous (early 1990) survey data for marine mammal supplementation is included at the end of this survey for your information.

1. Institution name: _____
2. Contact person: Email _____ Phone _____

3. Type of facility _____ Public Display _____ Research _____ Stranding
Other _____
4. What food items to you feed to your aquatic animals? (please fill in approximate % of each food item)

Food items	Pinnipeds	Cetaceans	Otters	Penguins	Sharks
Herring					
Capelin					
Smelt					
Mackeral					
Trout					
Sardines					
Salmon					
Squid					
Gel diets					

Marine Mammals

5. Which vitamin supplements do you feed to your aquatic mammals? (circle supplement in table below or add one not listed)

*NOTE: if you choose a column not filled in please fill in the amount of the requested nutrients per tablet

Table 1. Amount of nutrients per tablet in supplements used for marine mammals

	Mazuri 5M26	Mazuri 5TLA	Mazuri 5TWX	Mazuri 584Y	Sea Tabs mammals	Generic plus E/B1	B1 on
Vitamin A (IU)	7990	0	0	563	5500		
Vitamin B1 (mg)	226	233	100	255	250		
Vitamin C (mg)	280	280	125	0	75		
Vitamin D (IU)	0	0	0	0	400		
Vitamin E (IU)	259	259	125	368	350		
Iron (mg)	0	0	0	0	0		
Lutein (mg)	0	0	12.5	0	0		

6. Please check the box next to each species maintained at your facility and fill in the supplement dosing information.

Example: (1 tab/5lb fish/day; 2 tabs/day for animals x to x kg body weight)

*NOTE: Add any additional marine mammals maintained at your facility to the list

Table 2. Dosing information for aquatic mammals at your facility

Species	Dosing information
Harbor seal	
Grey seal	
Harp seal	
Hooded seal	
Calif. Sea lion	
Steller sea lion	
Northern fur seal	
Walrus	
Sea otter	

	River otter	
	Polar bear	
	Bottlenose dolphin	
	White-sided dolphin	
	Beluga	
	Orca	
	Manatee	

Penguins and Sharks

7. Which vitamin supplements do you feed? (check the box below the supplement that you use for your marine mammals or add one not listed)

*NOTE: if you choose a column not filled in please fill in the amount of the requested nutrients per tablet

Table 3. Amount of nutrients per tablet in supplements used for penguins

	Mazuri 5M23	Mazuri 5M25	Mazuri 5TLC	Mazuri 584Y	Sea Tabs peng/shark	Generic Plus E/B1	TI pe
CHECK BOX							
Vitamin A (IU)	3995	835	0	563	1000		0
Vitamin B1 (mg)	110	20	23	255	50		50
Vitamin C (mg)	130	25	28	0	10		0

Vitamin D (IU)	0	0	0	0	20		0
Vitamin E (IU)	125	25	26	368	50		10
Iron (mg)	0	0	0	0	1.0		0

Table 4. Amount of nutrients per tablet in supplements used for sharks

	Mazuri 5M24	Mazuri 5MD8 (.19g)	Mazuri 5TLC (1.5g)	Sea Tabs peng/shark	Generic Plus E/B1	Other
Vitamin A (IU)	7730	700	5500	1000		
Vitamin B1 (mg)	83	10	83	50		
Vitamin C (mg)	531	63	502	10		
Vitamin D (IU)	690	87	690	20		
Vitamin E (IU)	54	13	103	50		
Iron (mg)	0	0.03	0.25	1.0		
iodine	231	30	237			

8. Please describe dosing rates for penguins and sharks at your facility. Example (1 tablet per day or 1 tablet 2x per week, etc)

Penguins: _____

Sharks: _____

9. What species of penguin(s) is maintained at your facility? _____

10. Are your penguins maintained in fresh or salt water? _____

11. Do you feed salt supplements to your penguins? _____
