

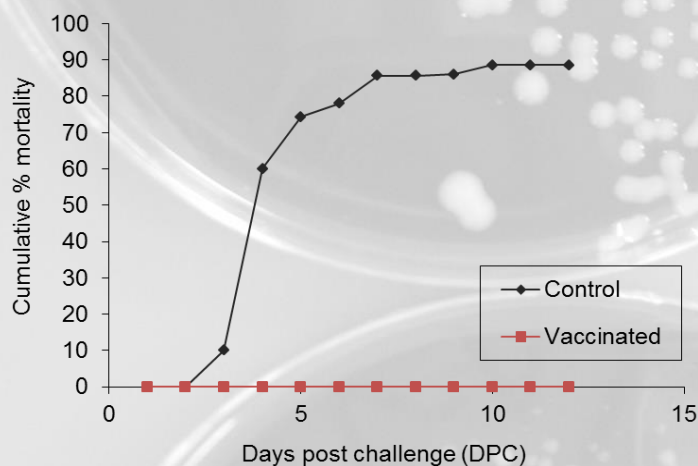
ATLANTIC COD - *VIBRIO* SP.

Introduction

Bacteria belonging to the genus *Vibrio* are the causative agents of vibriosis, which can be a problem in cod farming. Vibriosis can cause significant mortality once an outbreak is in progress and vaccination is used to minimize the impact of the disease. VESO Vikan offers challenge models with *Vibrio anguillarum*, serotype O1, O2a and O2b.

Challenge models to evaluate the effect of vaccination

Cod are acclimatized for a minimum of one week before challenge by i.p. injection or immersion. After challenge, mortality is recorded during an observation period of two to three weeks. Evaluation of the potency of the vaccine is based on differences in mortality in vaccinated and unvaccinated fish.



Mortality in groups of vaccinated and unvaccinated cod i.p. injected with *Vibrio anguillarum*.

Available models

| Serotype | Cod | | Water | | | Challenge model | | |
|----------|-------|-------|-------|----|----|-----------------|------|-------|
| | Small | Large | FW | SW | °C | Ip | Bath | Cohab |
| O1 | X | X | | X | 12 | X | | |
| O2a | X | X | | X | 12 | | X | |
| O2b | X | X | | X | 12 | | X | |